

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.
Release 1	Initial release

AHCWAT201	Set up, operate and maintain water delivery systems for compost
Application	<p>This unit of competency describes the skills and knowledge required to prepare, set up, operate, maintain and check water delivery systems for composting.</p> <p>The unit applies to individuals who set up operate and maintain water delivery systems for compost under general supervision with limited autonomy or accountability.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Water (WAT)

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. Prepare and set up a water delivery system	1.1 Confirm with supervisor details of location of water delivery system and activities to be undertaken, including identifying potential hazards and risks and implementing safe working practices to minimise risk to self and others 1.2 Select and use hoses, tools and equipment and components 1.3 Identify appropriate water sources on site 1.4 Select, fit and use personal protective equipment applicable to the task 1.5 Measure and mark out water delivery lines 1.6 Set up water delivery system
2. Operate a water delivery system	2.1 Commence water delivery 2.2 Set water application rate 2.3 Check all pipes, hoses and joints and confirm they are secure and leak free 2.4 Check and operate pumps
3. Check the efficiency of a water delivery system	3.1 Check water application rate and distribution 3.2 Inspect water delivery system for operating faults and dry areas 3.3 Look for variations from required rate or settings, leaks, operating faults and dry areas at any stage in process 3.4 Carry out remedial action 3.5 Record and report amount of water delivered to location and remedial action according to workplace procedures

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations and products
Writing	<ul style="list-style-type: none"> Use clear language, accurate industry terminology and logical structure to prepare water delivery and remedial action records
Oral Communication	<ul style="list-style-type: none"> Initiate discussions with supervisor using clear language to confirm and report water delivery operations and report remedial action
Numeracy	<ul style="list-style-type: none"> Measured and marked out water delivery lines Set, confirmed and recorded water application rate and quantity

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCWAT201 Set up, operate and maintain water delivery systems for compost Release 2	AHCWAT201 Set up, operate and maintain water delivery systems for compost Release 1	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCWAT201 Set up, operate and maintain water delivery systems for compost
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has set up, operated and maintained water delivery systems on at least two occasions and has:</p> <ul style="list-style-type: none"> • applied workplace health and safety requirements applicable to setting up, operating, and maintaining water delivery systems for compost • selected and used hoses, tools and equipment and components • interpreted site water management plan and site operating plan or map • measured and marked out water delivery lines • set out and operated watering systems operated pumps • observed faults and variations from required settings and taken remedial action • recorded and reported water application data and remedial action according to workplace procedures. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • workplace requirements applicable to health and safety in the workplace for setting up, operating, and maintaining water delivery systems for compost • the principles and practices of compost water delivery systems • methods and techniques of water delivery, including: <ul style="list-style-type: none"> • permanent overhead sprinklers • portable or travelling sprinklers • soaker hoses • sprays and drippers • stand pipes • water tanker • components of water delivery system, including characteristics and operation of: <ul style="list-style-type: none"> • joints • hoses • valves • sprinkler • workplace recording and reporting procedures. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • a workplace setting or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • site water management plan and site operating plan or map • water delivery system pumps, hoses, tools and equipment and components • tape measure • personal protective equipment applicable to setting up, operating, and maintaining water delivery systems for compost • principles and practices of compost water delivery systems • specifications: <ul style="list-style-type: none"> • work instructions and workplace procedures applicable to setting up, operating, and maintaining water delivery systems for compost • workplace requirements applicable to health and safety in the workplace and setting up, operating, and maintaining water delivery systems for compost • workplace recording and reporting procedures • relationships: <ul style="list-style-type: none"> • supervisor • timeframes: <ul style="list-style-type: none"> • according to job requirements. 	

Assessment Conditions	
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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