



Australian Government

AHCPHT221 Water mushroom crops

Release: 1

AHCPTH221 Water mushroom crops

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 operate watering equipment and complete watering operations for mushroom crops.

The unit applies to individuals who water mushroom crops under general supervision with limited autonomy or accountability.

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. Prepare to use watering equipment	1.1 Identify mushroom watering requirements with supervisor 1.2 Assemble and connect watering equipment components to water supply 1.3 Add chemicals to water according to supervisor instructions 1.4 Read and record water meter for the area to be watered 1.5 Identify rooms requiring watering and required watering pattern

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. Operate watering equipment	2.1 Follow site quarantine protocols, workplace and personal hygiene requirements for watering operation 2.2 Check and adjust water pressure to ensure correct spray or droplet pattern is achieved 2.3 Provide and distribute water evenly in the correct quantity and pressure 2.4 Report and fix faults or variations in watering operations 2.5 Identify workplace health and safety hazards, and report to supervisor 2.6 Identify environmental and biosecurity implications associated with work, and minimise impact
3. Finalise watering operations	3.1 Read water meter for area, and record amount of water used 3.2 Disconnect watering equipment and return to storage area 3.3 Identify and report unserviceable watering equipment according to workplace procedures 3.4 Report work outcomes and seek feedback on performance

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 watering mushroom crops
Oral communication	Use clear language to report water equipment faults, variations, unserviceable equipment and work outcomes to supervisor and seek feedback
Numeracy	- Measure chemical quantities - Record water meter reading - Calculate and record amount of water used

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT221 Water mushroom crops	AHCPHT208 Water mushroom crops	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	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 AHCPTH221 Water mushroom crops

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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 watered mushroom crops on at least three occasions, and has:

- assembled, connected and maintained watering equipment
- measured correct doses of additives for water
- delivered water to the mushroom crop at required rate and pressure
- estimated flow rate of water by the range of watering equipment in use
- applied workplace health and safety requirements
- minimised environmental impacts associated with watering mushroom crops
- followed industry and workplace biosecurity procedures
- recorded water use
- reported work outcomes and unserviceable tools and equipment to supervisor and sought feedback.

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 watering mushroom crops, including:
 - effect on mushrooms of under-watering, overwatering, insufficient evaporation, late watering and moisture imbalance
 - effects of water on casing structure, mycelium, yields and quality
 - factors affecting effective operation of watering tree or other equipment used
 - how panning occurs
 - light, medium and heavy water and when each type is used
 - safe and effective use of fungicides and other water additives

- workplace requirements applicable to health and safety in the workplace for watering mushroom crops
- environmental impacts associated with watering mushroom crops
- industry and workplace 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:
 - mushroom watering equipment
 - water additives
- specifications:
 - workplace requirements applicable to health and safety in the workplace for watering mushroom crops
 - industry and workplace biosecurity procedures applicable to watering mushroom crops
- relationships:
 - supervisor
- 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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