



Australian Government

AHCPHT207 Perform mushroom substrate process tasks

Release: 1

AHCPTH207 Perform mushroom substrate process tasks

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to prepare mushroom substrate either in a general mushroom farming enterprise or in a specialist substrate preparation enterprise. It applies to individuals who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context.

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. Prepare for each process stage	1.1 Confirm work requirements with supervisor 1.2 Check and prepare tools, machinery and equipment 1.3 Report and fix faults or variations from required settings 1.4 Follow site quarantine protocols and farm and personal hygiene requirements
2. Fill units with mushroom substrate	2.1 Operate filling equipment at a speed that maintains continuous operation 2.2 Fill units with mushroom substrate

Element	Performance criteria
3. Assist with spawning processes	3.1 Inspect and report any abnormalities found in spawn 3.2 Mix spawn into mushroom substrate 3.3 Check spawn usage rate and report any observed variation 3.4 Apply and mix supplement if required 3.5 Install spawned mushroom substrate in spawn run rooms 3.6 Take samples of mushroom substrate 3.7 Check mushroom substrate for presence of pests and take remedial action if required
4. Prepare and apply casing mixture	4.1 Assemble and check required quantities of pesticides, peat, limestone and additives for casing 4.2 Blend casing ingredients according to farm procedures 4.3 Take samples of prepared casing and mushroom substrate before casing has been added 4.4 Apply and mix supplement if required 4.5 Check casing depth, structure and consistency and report any variation
5. Finalise mushroom substrate processes	5.1 Clean, check and return equipment and tools 5.2 Clean up at the end of each process stage 5.3 Complete records legibly and accurately 5.4 Report work outcomes and seek feedback on performance

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 AHCPTH207A Perform mushroom substrate process tasks.

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 AHCPTH207 Perform mushroom substrate process tasks

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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:

- maintain site quarantine protocols and personal hygiene
- fill units with mushroom substrate
- apply spawn into mushroom substrate
- prepare and apply casing mixture
- accurately complete records

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of mushroom substrates
- farm standards and procedures, including those relating to workplace health and safety, food safety, HACCP, quality systems and emergency procedures
- the impact on the rest of mushroom production cycle of deviations of mushroom substrate quality from farm standards for substrate
- the mushroom production cycle
- substrate production
- site quarantine protocols

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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