

Modification history

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

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| AHCPHT207 | Perform mushroom substrate process tasks |
| Application | <p>This unit of competency describes the skills and knowledge required to prepare for each process stage, fill units, assist with spawning processes, prepare and apply casing mixture, and finalise mushroom substrate processes.</p> <p>The unit applies to individuals who perform mushroom substrate process tasks 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 | Production horticulture (PHT) |

| Elements | Performance Criteria |
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| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1. Prepare for each process stage | 1.1 Confirm work requirements with supervisor 1.2 Select and prepare tools, equipment and machinery 1.3 Report and fix faults or variations from required settings 1.4 Follow site quarantine protocols and workplace and personal hygiene requirements 1.5 Identify workplace health and safety hazards and report to supervisor 1.6 Identify environmental and biosecurity implications associated with work and minimise impact |
| 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 |
| 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 variations according to workplace procedures 3.4 Apply and mix supplement as required 3.5 Install spawned mushroom substrate in spawn run rooms 3.6 Samples of mushroom substrate 3.7 Check mushroom substrate for presence of pests and take remedial action as 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 workplace procedures 4.3 Take samples of prepared casing and mushroom substrate before casing has been added 4.4 Apply and mix supplement as required 4.5 Check casing depth, structure and consistency and report variations according to workplace procedures |

| Elements | Performance Criteria |
|--|---|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 5. Finalise mushroom substrate processes | 5.1 Clean and return tools, equipment and machinery to required location 5.2 Identify and report unserviceable tools, equipment and machinery according to workplace procedures 5.3 Clean up at the end of each process stage 5.4 Complete records legibly and accurately 5.5 Report work outcomes and seek feedback on performance |

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| Foundation Skills | |
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| <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 |
| Writing | <ul style="list-style-type: none"> Use clear language, accurate industry terminology and logical structure to complete work records |
| Oral Communication | <ul style="list-style-type: none"> Use clear language to report spawn usage rate variations, and casing depth, structure and consistency variations Use clear language to report unserviceable tools and equipment, and work outcomes to supervisor and seek feedback |
| Numeracy | <ul style="list-style-type: none"> Calculate pesticide, peat, limestone and additive quantities for casing Measure casing depth |

| Unit Mapping Information | | | |
|--|--|--|---------------------------|
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCPHT207 Perform mushroom substrate process tasks Release 2 | AHCPHT207 Perform mushroom substrate process tasks Release 1 | Performance criteria clarified Foundation skills added Assessment requirements updated | Equivalent unit |

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| 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 AHCPHT207 Perform mushroom substrate process tasks |
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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 performed mushroom substrate process tasks on at least three occasions and has:

- selected, prepared and maintained mushroom substrate processing tools, equipment and machinery
- maintained site quarantine protocols and personal hygiene
- minimised environmental impacts associated with mushroom substrate process tasks
- followed industry and workplace biosecurity procedures
- applied workplace health and safety requirements
- filled units with mushroom substrate
- applied spawn into mushroom substrate
- calculated pesticide, peat, limestone and additive quantities
- prepared and applied casing mixture
- measure casing depth
- reported spawn usage rate variations, and casing depth, structure and consistency variations
- completed work records and reported unserviceable tools and equipment, and work outcomes to supervisor and seek 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 of mushroom substrates, including:
 - food safety standards, hazard and critical control points, quality systems and emergency procedures
 - the impact on the rest of mushroom production cycle of deviations of mushroom substrate quality from workplace standards for substrate
 - the mushroom production cycle
 - substrate production
 - site quarantine protocols
- workplace requirements applicable to health and safety in the workplace for mushroom substrate process tasks
- environmental impacts associated with mushroom substrate process tasks
- industry and workplace biosecurity procedures.

Assessment Conditions

Assessment of skills 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 substrate processing tools, equipment and machinery
 - mushroom substrate and spawn
 - pesticide, peat, limestone, additive and casing mixture
- specifications:
 - food safety standards relevant to mushroom substrate preparation
 - workplace requirements applicable to health and safety in the workplace for mushroom substrate process tasks
 - industry and workplace biosecurity procedures applicable to mushroom substrate process tasks
- 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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