

## 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

<b>AHCPHT304</b>	<b>Harvest horticultural crops mechanically</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to prepare, operate and shut down machinery and related equipment used in the harvest of horticultural crops and completing work.</p> <p>The unit applies to individuals who harvest horticultural crops mechanically under broad direction and take responsibility for their own work.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Production horticulture (PHT)

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 machinery for use	1.1 Determine work requirements from workplace instructions 1.2 Identify potential hazards and risks and implement safe working practices to manage risks 1.3 Source and interpret relevant machinery and equipment operation and maintenance manual and manufacturer instructions 1.4 Select, fit, use and maintain personnel protective equipment applicable to the task 1.5 Select required tools, equipment and machinery and conduct routine pre-operational checks 1.6 Document and replace damaged or worn components according to workplace procedures 1.7 Attach ancillary equipment and check for correct operation
2. Operate machinery and equipment	2.1 Carry out pre-start and start up procedures according to workplace procedures 2.2 Operate machinery and equipment in a safe, controlled and efficient manner and monitor for performance efficiency 2.3 Operate machinery according to operation and maintenance manual, manufacturer specifications, task requirements and conditions 2.4 Identify environmental and biosecurity implications associated with harvesting and undertake activities to minimise impact 2.5 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment
3. Complete work	3.1 Conduct shut down according to workplace procedures 3.2 Perform routine operational servicing and minor maintenance 3.3 Identify and report malfunctions, faults, irregular performance or damage according to workplace procedures 3.4 Clean, store and secure harvest machinery and equipment 3.5 Record and report harvest activities and machinery use records

<b>Foundation Skills</b>	
<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>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret textual information from a range of sources to identify relevant and key information about workplace operations</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Document harvest machinery use</li> <li>Use clear language, accurate industry terminology and logical structure to prepare harvest activity records</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use clear language to report malfunctions, faults, irregular performance or damage</li> </ul>
Numeracy skills	<ul style="list-style-type: none"> <li>Calculate quantities of machinery fluids</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCPHT304 Harvest horticultural crops mechanically Release 2	AHCPHT304 Harvest horticultural crops mechanically Release 1	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
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<b>TITLE</b>	<b>Assessment requirements for AHCPHT304 Harvest horticultural crops mechanically</b>
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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 harvested horticultural crops mechanically on at least two occasions and has:

- applied workplace health and safety requirements
- carried out horticultural harvesting machinery and equipment pre-operational checks according to operation and maintenance manual
- performed minor maintenance
- recognised and documented defects in horticultural harvesting machinery and equipment
- attached and uncoupled ancillary equipment safely
- operated horticultural harvesting machinery and equipment according to operation and maintenance manual, manufacturer specifications, task requirements and local conditions
- minimised environmental impacts associated with horticultural harvesting machinery and equipment operation
- shut down machinery and equipment and recorded usage
- cleaned, stored and secured machinery and equipment
- followed industry and workplace environmental and biosecurity procedures
- recorded and reported harvest activities and machinery use.

**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:

- workplace requirements applicable to health and safety in the workplace for harvesting horticultural crops mechanically
- principles and practices for operating horticultural crop harvesting machinery, including:
  - basic diagnostic techniques
  - components and controls features and functions
  - crop quality assurance and hygiene requirements
  - equipment characteristics, technical capabilities and limitations
- manufacturer and workplace requirements for:
  - pre-operational checks
  - machinery operation techniques
  - operator level servicing
  - planned and emergency shut down procedures
- environmental impacts associated with operating machinery and equipment used for horticultural harvesting
- industry and workplace environmental and 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
  - individual must not be under the influence of alcohol or drugs
  - individual must not be taking any medication (prescribed or otherwise) that may impair judgement
  - individual must not be in a fatigued state when operating harvest machinery
- resources, equipment and materials:
  - horticultural harvest machinery and equipment
  - horticultural crop
  - personal protective equipment applicable to operating horticultural harvesting machinery and equipment
- specifications:
  - horticultural harvest machinery and equipment operation and maintenance manuals
  - workplace requirements applicable to health and safety in the workplace for harvesting horticultural crops mechanically

<b>Assessment Conditions</b>	
<ul style="list-style-type: none"><li>• work instructions and workplace procedures applicable to operating horticultural crop harvest machinery and equipment</li><li>• recording procedures</li><li>• industry and workplace environmental and biosecurity procedures applicable to horticultural crop harvesting</li><li>• timeframes:<ul style="list-style-type: none"><li>• according to job requirements.</li></ul></li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	

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