



Australian Government

AHCPHT314 Harvest horticultural crops mechanically

Release: 1

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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, operate and shut down machinery and related equipment used in the harvest of horticultural crops.

The unit applies to individuals who harvest horticultural crops mechanically under broad direction, and take responsibility for their own work.

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 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 personal protective equipment applicable to the task 1.5 Select required tools, equipment and machinery, and conduct

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	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

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 mechanical horticultural crop harvesting
Writing	Use clear language, accurate industry terminology and logical structure to record harvest activity

Skill	Description
Oral communication	Use clear language to report malfunctions, faults, irregular performance or damage
Numeracy skills	Calculate quantities of machinery fluids

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT314 Harvest horticultural crops mechanically	AHCPHT304 Harvest horticultural crops mechanically	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 AHCPTH314 Harvest horticultural crops mechanically

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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
- operated and shut down horticultural harvesting machinery and equipment according to operation and maintenance manual, manufacturer specifications, task requirements and local conditions
- recognised and documented defects in horticultural harvesting machinery and equipment
- attached and uncoupled ancillary equipment safely
- minimised environmental impacts associated with horticultural harvesting machinery and equipment operation
- performed minor maintenance
- recorded and reported harvest activities and machinery use
- cleaned, stored and secured machinery and equipment.

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
- industry and workplace environmental and biosecurity procedures applicable to horticultural crop harvesting.

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
 - 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
 - work instructions and workplace procedures applicable to operating horticultural crop harvest machinery and equipment
 - recording procedures
 - industry and workplace environmental and biosecurity procedures applicable to horticultural crop harvesting
- 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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