



Australian Government

AHCBAC207 Assist agricultural crop harvesting

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 7.0.

Application

This unit of competency describes the skills and knowledge required to assist others in harvesting a broadacre agricultural crop, under direction of a supervisor.

The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for own work. They undertake defined activities and work in a structured context.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Broad Acre Cropping (BAC)

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 for agricultural crop harvesting operations	1.1 Confirm crop harvesting plan and instructions with supervisor 1.2 Prepare tools, machinery, equipment or technology according to supervisor instructions 1.3 Identify work health and safety hazards in crop harvesting, assess risks and report to supervisor 1.4 Select, check, use and maintain personal protective equipment (PPE)

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. Prepare harvesting machinery and vehicles for crop harvesting operations	2.1 Refuel machinery and vehicles used for harvesting 2.2 Conduct routine pre-start checks 2.3 Confirm special operating instructions and work procedures with supervisor
3. Assist with harvesting of crops	3.1 Assist safe operation of harvesting machinery and ancillary equipment according to crop conditions 3.2 Maintain hygiene procedures for harvest equipment 3.3 Assist with checks and adjustments for harvester and ancillary equipment according to instructions
4 Complete harvesting operation	4.1 Clean harvesting machinery and vehicles according to biosecurity and hygiene procedures 4.2 Dispose waste according to workplace and environmental procedures 4.3 Update workplace records according to procedures

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, consolidate and check understanding and accuracy of instructions with supervisor
Writing	Use industry language and correct concepts and terminology when updating records
Numeracy	- Perform basic mathematical calculations to determine correct volumes of fuel, lubricants and coolants - Perform basic calculations when setting machinery for harvesting operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBAC207 Assist agricultural crop harvesting	AHCBAC203 Assist agricultural crop harvesting	Edited Application for clarity Minor changes to Performance Criteria for clarity Foundation Skills refined Performance Evidence and Knowledge Evidence clarified and terminology updated Amended structure of Assessment Conditions	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 AHCBC207 Assist agricultural crop harvesting

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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 on at least one occasion assisted in the preparation, operation and maintenance of machinery and equipment during harvest operations, including:

- identified and reported safety hazards and risks and follow safety directions
- communicated with supervisor
- prepared harvesting equipment or technology and machinery, including:
 - calibrated and adjusted equipment for optimum performance
 - measured quantities
 - checked and maintained oil levels
 - greased equipment and machinery components
 - checked and maintained water levels
 - checked and maintained tyre air pressures
- operated machinery to manufacturer instructions and workplace procedures as directed in support of the harvesting team
- refuelled harvesting vehicles and machinery
- disposed of waste according to environmental procedures
- maintained records according to procedures
- followed workplace health and safety and biosecurity procedures
- used and maintained personal protective equipment (PPE).

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:
- basic harvesting machinery operation and equipment basic maintenance
- basic principles of precision agriculture and the role of technology in improving efficiencies, including:

- self-drive, auto steer, global navigation satellite systems (GNSS) and laser technologies
- digital and remote sensors
- remote piloted systems
- controlled traffic farming (CTF) principles and impacts
- variable rate technology (VRT)
- hazard identification during harvesting, including:
 - workplace health and safe work practices
 - trapping, entanglement, sheering and cutting
 - noise
 - dust and respiratory issues
 - vibration
 - personal protective equipment and its use
- crop hygiene and biosecurity requirements and procedures
- work health and safety, including:
 - types of crops and their characteristics for harvest
 - weather conditions, fire risk and fire prevention
 - broad acre farm hazards, risks and controls
 - working at heights and confined spaces with storage bins
 - power lines and elevated equipment safety
 - workplace biosecurity procedures.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated on a broad acre farm with harvestable crop or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - harvest equipment appropriate for the crop to be harvested
 - tools and equipment or technology for checking and maintaining machinery
 - personal protective equipment
- specifications:
 - workplace procedures
 - manufacturer operating instructions for machinery and equipment
 - workplace instructions
- relationships:
 - supervisor(s).

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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