



Australian Government

AHCMOM307 Operate a cane harvester

Release: 2

AHCMOM307 Operate a cane harvester

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to prepare for, operate and complete cane harvester operations in the sugar cane production industry.

The unit applies to individuals who operate cane harvesters under broad direction, and take responsibility for their own work.

Vehicle must be operated according to relevant state/territory licensing authority vehicle licence requirements and regulations.

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

Pre-requisite Unit

Nil

Unit Sector

Machinery operation and maintenance (MOM)

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 cane harvesting equipment for use	1.1 Confirm work activity to be undertaken, including identifying potential hazards and risks implementing safe working practices to manage risks 1.2 Source and interpret relevant cane harvester operation and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	maintenance manual and manufacturer instructions 1.3 Select and maintain personal protective equipment according to workplace safety requirements 1.4 Fit and use personal protective equipment according to job requirements and applicable to task to be undertaken 1.5 Conduct cane harvester routine pre-operational checks 1.6 Document damaged or worn components and organise for replacement according to workplace procedures 1.7 Conduct cabin drill according to workplace procedures 1.8 Locate and select crop class, variety and field for harvest
2. Carry out cane harvesting	2.1 Carry out pre-start, and start up procedures 2.2 Set and operate cane harvester in a safe, controlled and correct manner and monitor for performance and efficiency 2.3 Operate cane harvester in co-ordination with cane haulage vehicles and other associated harvesting equipment 2.4 Harvest cane in a productive, safe and controlled manner and consign according to workplace procedures 2.5 Identify environmental and biosecurity implications associated with cane harvesting and undertake activities to minimise impact 2.6 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment
3. Complete cane harvesting operations	3.1 Park cane harvester and conduct shut down procedures according to workplace practices 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 and sterilise cane harvester to prevent cross-site contamination 3.5 Store and secure cane harvester 3.6 Remove and store keys in the required location 3.7 Maintain cane harvester use records in required format

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 workplace operations
Writing	Document cane harvester use
Oral communication	Use clear language to report malfunctions, faults, irregular performance or damage
Numeracy	- Calculate quantities of vehicle fluids including fuel - Identify correct tyre pressure or track tension
Navigate the world of work	Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility

Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Cane harvester must include at least one of the following:	- track cane harvester - half-track cane harvester - wheel cane harvester - double row cane harvester.
Pre-operational checks must include:	- maintenance interval schedule daily check - machine damage and serviceability - checking for missing parts - fluid leaks and levels - fuel level - brakes and clutch operation - condition of tyres or tracks - machine controls.
Biosecurity implications must include:	control of cross-site contamination.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMOM307 Operate a cane harvester Release 2	AHCMOM307 Operate a cane harvester Release 1	Minor changes to performance criteria, foundation skills and range of conditions	Equivalent unit

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 AHCMOM307 Operate a cane harvester

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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 safely operated a cane harvester to harvest a commercial crop of cane at least once and has:

- identified hazards and implemented safe workplace practices and procedures
- carried out cane harvester pre-operational checks according to operation and maintenance manual
- checked cane harvester equipment prior to use
- familiarised self with field and local conditions for harvest
- set and operated a cane harvester in a safe, controlled and correct manner and monitored for performance and efficiency
- operated cane harvester consistent with operation and maintenance manual and manufacturer specifications
- recognised and reported defects in cane harvester equipment and operational capacity
- communicated and co-operated with relevant personnel including haul-out drivers
- controlled and minimised cane spillage
- carried out cane harvester shut-down procedures
- cleaned and sterilised the harvester to prevent cross-site contamination
- minimised environmental impacts associated with cane harvester operation
- followed industry and workplace biosecurity procedures
- applied workplace health and safety procedures.

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:

- hazards and risks associated with cane harvester operations

- cane harvester and site safety requirements
- cane harvester components, controls, features, technical capabilities and limitations
- operating principles and operating methods for cane harvesters
- cane harvester processes and spillage minimisation techniques
- harvest and haulage processes as they relate to collection and haulage of harvests
- principles of the safe removal of obstacles from harvesters and adjustment of harvester settings
- duty of care to self, others and the environment
- relevant legislation with regard to cane harvester operation and licensing requirements
- environmental impacts associated with operating cane harvesters
- workplace procedures applicable to health and safety in the workplace and operating a cane harvester safely
- 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
 - in a range of weather and surface conditions and on a range of different terrains
 - 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 cane harvester
- resources, equipment and materials:
 - cane harvester
 - cane
 - safety equipment and personal protective equipment applicable to the task being undertaken
- specifications:
 - cane harvester operation and maintenance manuals
 - industry and workplace biosecurity procedures applicable to cane harvesting
 - legislation relevant to cane harvester operation and licensing requirements
- timeframes:
 - according to the 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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