



Australian Government

Department of Education, Employment and Workplace Relations

AHCMOM307A Operate a cane harvester

Release: 1

AHCMOM307A Operate a cane harvester

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of preparing and operating a cane harvester in the sugar cane production industry and defines the standard required to: conduct pre-start and shut-down procedures; communicate and co-operate with other personnel such as haul-out drivers; control cane spillage; demonstrate emergency driving procedures; effectively sterilise the harvester to prevent cross-property contamination; maintain operational records.
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Application of the Unit

Application of the unit	This unit applies to correctly setting-up, calibrating and operating a cane harvester to maximise sustainable cane production. The work is likely to be carried out under routine supervision within enterprise guidelines.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Prepare a cane harvester for operation	1.1. Routine pre-operational checks of cane harvester are completed to manufacturer's specifications and enterprise requirements. 1.2. Cabin drill is carried out according to enterprise instructions and safety routines. 1.3. Potential and existing hazards in the workplace are recognised, risks assessed and controlled according to Occupational Health and Safety (OHS) requirements. 1.4. Suitable personal protective equipment is selected, used and maintained according to OHS requirements. 1.5. Crop class, variety and field for harvest is correctly located and selected.
2. Carry out cane harvesting	2.1. Harvester is set and operated in a safe, controlled and correct manner and monitored for performance and efficiency. 2.2. Harvester is operated in co-ordination with haul out vehicles and other associated harvesting equipment. 2.3. Cane is harvested in a productive, safe and controlled manner and correctly consigned. 2.4. Risks to self, others and the environment are anticipated and minimisation strategies implemented accordingly. 2.5. Environmental implications associated with cane harvesting are identified, assessed and reported to the supervisor.
3. Complete cane harvesting operations	3.1. Shut-down procedures for cane harvester are completed to manufacturer's specifications and enterprise requirements. 3.2. Harvester is sterilised at scheduled times according to operators manual and enterprise requirements. 3.3. Records are completed and maintained according to enterprise requirements. 3.4. Malfunctions, faults, irregular performance and damage to cane harvester are identified, detailed and reported according to enterprise requirements. 3.5. Cane harvester is cleaned, secured and stored according to OHS and enterprise requirements.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- identify hazards and implement safe operating procedures
- readily familiarise self with local conditions
- perform routine safety, basic service and maintenance procedures on cane harvesters
- demonstrate emergency operating procedures
- obtain licenses and permits
- demonstrate safe and environmentally responsible workplace practices
- read and interpret property maps, operators manuals, manufacturers specifications, work and maintenance plans, and MSDS
- communicate faults, malfunctions and workplace hazards, report and maintain operational records
- comprehend and apply task instructions
- measure and calculate volumes, feed rates, consumption and servicing requirements
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- components, controls and features of cane harvesters and their functions
- operating principles and operating methods for cane harvesters
- cane harvester processes and spillage minimisation techniques
- legislative requirements with regard to licensing
- harvest and haulage processes and procedures
- principles of the safe removal of obstacles from harvesters and adjustment of harvester settings
- OHS and environmental protection legislation, codes of practice and enterprise procedures
- environmental impacts and minimisation measures.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • conduct pre-start and shut-down procedures • communicate and co-operate with other personnel such as haul-out drivers • control cane spillage • demonstrate emergency driving procedures • effectively sterilise the harvester to prevent cross-property contamination • maintain operational records.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Hazards may include:	• disturbance of services • solar radiation • dust • noise • through traffic • uneven surfaces and holes • moving machinery and machinery parts • overhead hazards including powerlines.

Unit Sector(s)

Unit sector	Machinery operation and maintenance
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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