



Australian Government

AHCMOM203 Operate basic machinery and equipment

Release: 2

AHCMOM203 Operate basic machinery and equipment

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 undertake pre start checks, operate, maintain and shut down basic machinery and equipment used in the agriculture, horticulture and land management sectors.

This unit does not apply to chainsaws, tractors, vehicles, and earth moving equipment.

The unit applies to individuals who operate basic machinery and equipment to undertake routine work under general supervision with limited autonomy and accountability.

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 basic machinery and equipment for use	1.1 Confirm with supervisor activity to be undertaken, including identifying and reporting potential hazards and risks and implementing safe working practices to manage risks 1.2 Source and interpret relevant basic machinery and equipment

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	operation and maintenance manual and manufacturer instructions 1.3 Assess the work site and confirm the suitability of the machinery and equipment for the task 1.4 Select and maintain personal protective equipment according to workplace safety requirements 1.5 Fit and use personal protective equipment applicable to type of machinery and equipment to be operated and job requirements 1.6 Conduct routine pre-operational checks according to operation and maintenance manual 1.7 Replace and report damaged or worn components 1.8 Observe safety rules and regulations, including site rules and site specific instructions
2. Operate basic machinery and equipment	2.1 Operate machinery and equipment safely 2.2 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment 2.3 Complete work to supervisor satisfaction
3. Check, clean and store basic machinery and equipment	3.1 Conduct shut down according to workplace procedures 3.2 Perform routine operational servicing and minor maintenance according to operation and maintenance manual 3.3 Identify and report malfunctions, faults, irregular performance or damage to supervisor 3.4 Clean, secure and store machinery and equipment 3.5 Maintain machinery and equipment 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

Skill	Description
Writing	Document machinery and equipment use
Oral communication	- Use clear language to report malfunctions, faults, irregular performance or damage - Participate in verbal exchanges to respond to questions and clarify information
Numeracy	Calculate quantities of machinery fluids including oil and fuel
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.

Basic machinery and equipment must include at least two of the following:	- conveyors and pumps used in agriculture, horticulture and land management - hedge trimmers - lawn edgers - line cutters - mechanised horticultural tillage equipment - motorised machinery used in landscape and turf construction projects - motorised machinery used in nursery production - pneumatic pruners and cutters - power tools.
Pre operational checks must include:	- machinery and equipment damage and serviceability - engine oil - fuel - machinery and equipment controls - reporting and tagging defects.

Unit Mapping Information

Code and title	Code and title	Comments	Equivalence status
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current version	previous version		
AHCMOM203 Operate basic machinery and equipment Release 2	AHCMOM203 Operate basic machinery and equipment 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 AHCMOM203 Operate basic machinery and equipment

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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 undertaken pre start checks, operated, maintained and shut down at least two types of basic machinery and equipment used in the agriculture, horticulture or land management sectors.

For each type, the individual must have demonstrated the following:

- identified and reported hazards and implemented safe working practices
- carried out basic machinery and equipment pre-operational checks including basic servicing and maintenance according to operation and maintenance manual
- operated basic machinery and equipment in a safe and controlled manner consistent with operation and maintenance manual and manufacturer specifications
- carried out safe shut down and storage procedures for basic machinery and equipment
- followed workplace health and safety procedures during the operation and use of basic 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:

- hazards and risks associated with basic machinery and equipment operation
- pre-operational and safety checks for basic machinery and equipment
- operating principles and operating methods for basic machinery and equipment
- procedures for cleaning, securing and storing basic machinery and equipment
- risks associated with the operation of machinery and equipment in different types of weather and terrain conditions
- duty of care to self, others and the environment when using and operating basic machinery and equipment

- workplace procedures applicable to work health and safety requirements to operate basic machinery and equipment safely.

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 the machinery
- resources, equipment and materials:
 - a range of basic machinery and equipment
 - enclosed toe shoes
 - safety equipment and personal protective equipment applicable to the machinery and equipment being used and the task being undertaken
- specifications:
 - basic machinery and equipment operation and maintenance manuals
 - industry and workplace biosecurity procedures applicable to basic machinery and equipment operation
- 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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