



**Australian Government**

# **AHCMOM308 Operate broadacre and row crop harvest machinery and equipment**

**Release: 2**

# AHCMOM308 Operate broadacre and row crop harvest 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 operate harvest machinery and equipment used for broadacre and row crop harvesting in the agriculture and horticulture sectors.

This unit applies to individuals who operate broadacre or row crop harvesting machinery and equipment 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 broadacre and row crop harvesting     | 1.1 Confirm activity to be undertaken, including identifying potential hazards and risks and implementing of safe working practices to |

| <b>Elements</b>                                           | <b>Performance Criteria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>          | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| machinery for use                                         | <p>manage risks</p> <p>1.2 Source and interpret relevant harvesting machinery and equipment operation and maintenance manual and manufacturer instructions</p> <p>1.3 Select and maintain personal protective equipment according to workplace safety requirements</p> <p>1.4 Fit and use personal protective equipment according to job requirements and applicable to task to be undertaken</p> <p>1.5 Conduct harvest machinery and equipment routine pre-operational checks</p> <p>1.6 Document damaged or worn components and organise for replacement according to workplace procedures</p> <p>1.7 Attach ancillary equipment and check for correct operation</p> |
| 2. Operate broadacre and row crop machinery and equipment | <p>2.1 Carry out pre-start, and start up procedures according to workplace practices</p> <p>2.2 Operate harvest machinery and equipment in a safe, controlled and efficient manner and monitor for performance and efficiency</p> <p>2.3 Operate harvest machinery according to operation and maintenance manual, manufacturer specifications, task requirements and conditions</p> <p>2.4 Identify environmental and biosecurity implications associated with harvesting and undertake activities to minimise impact</p> <p>2.5 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment</p>                             |
| 3. Complete work                                          | <p>3.1 Conduct shut down in line with workplace procedures</p> <p>3.2 Perform routine operational servicing and minor maintenance</p> <p>3.3 Identify and report malfunctions, faults, irregular performance or damage according to workplace procedures</p> <p>3.4 Clean, store and secure harvest machinery and equipment</p> <p>3.5 Remove and store keys in the required location</p> <p>3.6 Maintain harvest machinery use records in required format</p>                                                                                                                                                                                                          |

## 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                    | <ul style="list-style-type: none"><li>Interpret textual information from a range of sources to identify relevant and key information about workplace operations</li></ul>       |
| Writing                    | <ul style="list-style-type: none"><li>Document harvest machinery use</li></ul>                                                                                                  |
| Oral communication         | <ul style="list-style-type: none"><li>Use clear language to report malfunctions, faults, irregular performance or damage</li></ul>                                              |
| Numeracy                   | <ul style="list-style-type: none"><li>Calculate quantities of vehicle fluids including fuel</li><li>Identify correct tyre pressure or track tension</li></ul>                   |
| Navigate the world of work | <ul style="list-style-type: none"><li>Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility</li></ul> |

## 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.*

|                                        |                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre operational checks must include:   | <ul style="list-style-type: none"><li>maintenance interval schedule daily check</li><li>machine damage and serviceability</li><li>checking for missing parts</li><li>fluid leaks and levels</li><li>fuel level</li><li>brakes and clutch operation</li><li>condition of tyres or tracks</li><li>machine controls.</li></ul> |
| Biosecurity implications must include: | <ul style="list-style-type: none"><li>control of cross-site contamination.</li></ul>                                                                                                                                                                                                                                        |

## Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|--------------------------------|---------------------------------|----------|--------------------|
|--------------------------------|---------------------------------|----------|--------------------|

|                                                                                                      |                                                                                                   |                                                                                           |                 |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------|
| AHCMOM308<br>Operate<br>broadacre and<br>row crop harvest<br>machinery and<br>equipment<br>Release 2 | AHCMOM308<br>Operate broadacre<br>and row crop<br>harvest machinery<br>and equipment<br>Release 1 | Minor changes to<br>performance criteria,<br>foundation skills and<br>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 AHCMOM308 Operate broadacre and row crop harvest 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 operated broadacre and row crop harvesting machinery and equipment at least once and has:

- identified hazards and implemented safe workplace practices and procedures
- carried out harvest machinery and equipment pre-operational checks according to operation and maintenance manual
- performed minor maintenance
- recognised and documented defects in broadacre and row crop harvest machinery equipment and operational capacity
- attached and detached ancillary equipment safely
- operated harvest machinery and equipment according to operation and maintenance manual, manufacturer specifications, task requirements and local conditions
- shut down machinery and equipment and recorded usage
- minimised environmental impacts associated with harvest machinery and equipment operation
- followed industry and workplace biosecurity procedures
- followed 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 broadacre and row crop harvest machinery and equipment operations
- broadacre and row crop harvest machinery and equipment components, controls, features, technical capabilities and limitations
- manufacturer and workplace requirements for:

- pre-operational checks
- machinery operation techniques
- operator level servicing
- planned and emergency shut down procedures
- relevant legislation with regard to harvest machinery operation and licensing requirements
- environmental impacts associated with operating machinery and equipment used for harvesting
- workplace procedures applicable to health and safety in the workplace requirements and harvest machinery and equipment operation
- 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
  - 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:
  - harvest machinery and equipment
  - broadacre or row crop
  - safety equipment and personal protective equipment applicable to the task being undertaken
- specifications:
  - harvest machinery and equipment operation and maintenance manuals
  - industry and workplace biosecurity procedures applicable to broadacre and row crop harvesting
  - legislation relevant to harvest machinery 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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