



**Australian Government**

# **AHCMOM312 Operate row crop planting and seeding machinery and equipment**

**Release: 2**

# AHCMOM312 Operate row crop planting and seeding 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 machinery and equipment required for row crop planting and seeding in agriculture and horticulture sectors.

The unit applies to individuals who operate row crop planting and seeding machinery and equipment under broad direction, and take responsibility for their own work.

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 row crop planting and seeding machinery for use	1.1 Confirm activity to be undertaken, including identifying potential hazards and risks and implementing safe working practices to manage risks 1.2 Source and interpret relevant planting and seeding machinery and

<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>
	<p>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 planting and seeding 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 row crop planting and seeding machinery and equipment	<p>2.1 Carry out machinery pre-start, and start up procedures according to workplace practices</p> <p>2.2 Operate planting and seeding machinery in a safe, controlled and efficient manner and monitor for performance and efficiency</p> <p>2.3 Operate planting and seeding machinery according to operation and maintenance manual, manufacturer specifications, task requirements and conditions</p> <p>2.4 Identify environmental and biosecurity implications associated with row crop planting and seeding machinery usage and undertake activities to minimise impact</p> <p>2.5 Continually monitor hazards and risks, and ensure safety of self, other personnel and equipment</p>
3. Complete work	<p>3.1 Conduct shut down procedures for row crop planting and seeding machinery and equipment according to workplace requirements and manufacturers' specifications</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 planting and seeding machinery and equipment</p> <p>3.5 Maintain planting and seeding 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 planting and seeding 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>Identify correct tyre pressure</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>machine damage and serviceability</li> <li>checking for missing parts</li> <li>condition of tyres.</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
AHCMOM312 Operate row crop planting and seeding machinery and	AHCMOM312 Operate row crop planting and seeding machinery and equipment	Minor changes to performance criteria, foundation skills and range of conditions	Equivalent unit

equipment Release 2	Release 1		
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## Links

Companion Volumes, including Implementation Guides are available at VETNet -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>