



**Australian Government**

# **AHCARB212 Operate and maintain stump grinding machines**

**Release: 1**

# AHCARB212 Operate and maintain stump grinding machines

## Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

## Application

This unit of competency describes the skills and knowledge required to operate motorised stump grinding machines to safely remove tree stumps.

The unit applies to individuals who operate stump grinders in a broad range of arboriculture contexts who undertake defined routine activities under supervision. They exercise limited autonomy within established and well known parameters, providing solutions to a limited range of predictable problems.

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

## Pre-requisite Unit

Nil

## Unit Sector

Arboriculture (ARB)

## 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 for stump removal operations	1.1 Confirm work instructions and stumps to be removed with supervisor 1.2 Assess the size and scale of stump grinding works 1.3 Identify and confirm location and depth of above and below ground services with supervisor 1.4 Confirm workplace health and safety hazards and controls from

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>job safety analysis (JSA) with supervisor</p> <p>1.5 Confirm availability of first aid and emergency personnel, equipment and procedures</p> <p>1.6 Unload stump grinder from transport vehicle according to workplace and safety procedures</p>
2. Carry out stump grinder pre-operational and safety checks	<p>2.1 Check maintenance log for outstanding performance issues, and report incomplete maintenance to supervisor</p> <p>2.2 Conduct pre-start checks on stump grinder according to manufacturer instructions</p> <p>2.3 Check fluid levels and fill to manufacturer specifications</p> <p>2.4 Check safety guards are secure and in place</p> <p>2.5 Check safety switches are functioning correctly</p> <p>2.6 Check debris curtain is in working order according to manufacturer instructions</p>
3. Complete preparations for work	<p>3.1 Select, check and use personal protective equipment</p> <p>3.2 Assess stump and surrounds for impediments to grinding operations</p> <p>3.3 Implement workplace health, safety, site, environmental and traffic control measures</p>
4. Operate stump grinder	<p>4.1 Plan the grinding operation and position grinder according to site conditions and operator instructions</p> <p>4.2 Implement stump grinder start-up procedure</p> <p>4.3 Operate stump grinder to grind stump according to manufacturer and operator instructions</p> <p>4.4 Monitor cutting operation and adjust cutting rate and depth according to manufacturer and supervisor instructions</p> <p>4.5 Undertake corrective action when stump grinder performance or safe operation has been compromised</p> <p>4.6 Implement shutdown procedures following stump removal</p>

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Complete stump grinding operations	5.1 Dispose of waste according to work instructions and environmental procedures 5.2 Clean stump grinder and equipment according to workplace and biosecurity procedures 5.3 Perform operator maintenance according to manufacturer instructions 5.4 Report and record stump grinder usage, maintenance and repair requirements according to repair and maintenance procedures 5.5 Load and secure stump grinder onto transport vehicle according to workplace and safety procedures, and regulatory requirements 5.6 Maintain records and report stump grinding outcomes according to workplace procedures

## 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 maintenance logs, operating instructions and policies to identify relevant and key information for preparing and operating machinery safely</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Complete stump grinder operation records using clear language and industry terminology to ensure clarity of meaning</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Perform basic calculations to determine fuel mixtures and machine fluid level and volumes</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCARB212 Operate and maintain	AHCARB206 Operate and maintain	Prerequisite units removed	Equivalent

stump grinding machines	stump grinding machines	Performance criteria clarified Foundation skills added Assessment requirements updated	
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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>