

Modification history

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

FWPHAW2XXX	Operate a mobile chipper/mulcher
Application	<p>This unit of competency describes the skills and knowledge required to operate a hand or machine fed mobile chipping or mulching unit to chip or mulch timber refuse such as branches and other timber waste.</p> <p>The unit applies to individuals who operate mobile chippers/mulchers as part of arboriculture, forestry, agriculture, conservation and land management, local government, emergency services and other government agency operations.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Harvesting and Haulage

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 chipping or mulching	1.1 Review work order or instruction to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with operating mobile chippers / mulchers 1.4 Identify workplace environmental protection procedures for operating chippers / mulchers, minimising and disposing of waste material, and cleaning tools and equipment 1.5 Identify type and quantity of material to be chipped or mulched 1.6 Consult and maintain communication with team members and other appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.7 Obtain tools and equipment needed for the work and check for correct operation and safety 1.8 Plan chipping / mulching activities according to work order or instruction and environmental conditions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Chip or mulch material	2.1 Reject material assessed as unsuitable for chipping or mulching and dispose of or recycle according to workplace and environmental protection practices 2.2 Use equipment according to workplace safety procedures, manufacturer instructions and environmental protection requirements 2.3 Position, secure and set up chipping and mulching unit according to manufacturer specifications and required size 2.4 Direct material into chipper or mulcher at rate applicable to machine capacity using safe methods for loading and feeding 2.5 Chip timber refuse to chip sizes specified in work order 2.6 Respond to critical situations requiring emergency shutdown to prevent personal injury or damage to machine or product 2.7 Direct chipped or mulched material onto truck or transport vehicle
3. Complete operator maintenance	3.1 Follow workplace safety procedures and manufacturer instructions to lock out equipment 3.2 Complete operational safety checks according to manufacturer recommendations 3.3 Check cutters for wear and damage as required or at intervals recommended by manufacturer 3.4 Remove, replace and dispose of cutters according to manufacturer recommendations, workplace procedures and environmental protection practices 3.5 Check and replenish fuel and lubricants according to manufacturer recommendations 3.6 Clean and store chipper / mulcher 3.7 Record and report production outcomes and equipment faults to appropriate personnel

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> • Read workplace documentation and understand requirements
Oral communication	<ul style="list-style-type: none"> • Ask questions and actively listen to clarify contents of work orders
Numeracy	<ul style="list-style-type: none"> • Identify quantities of required material within work orders • Read basic numerical machine settings and choose according to chip size • Complete routine production records involving quantities tallied against orders

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR2XXX Operate a mobile chipper/mulcher	FWPHAR2206 Operate a mobile chipper/mulcher		
Links		Companion Volumes, including Implementation Guides, are available at VETNet https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47	

TITLE	Assessment requirements for FWPHAR2XXX Operate a mobile chipper/mulcher
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> • assessed, planned and conducted the chipping or mulching of six loads of material following a work order or instruction that is consistent with workplace policy and procedures and current workplace health and safety legislation, regulations and related industry standards and codes of practice applicable to tree felling operations • inspected and carried out routine operator maintenance on one mobile chipper / mulcher on one occasion according to manufacturer requirements. 	

Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • environmental protection practices related to: <ul style="list-style-type: none"> • reducing water and energy use • cleaning plant, tools and equipment • disposing of, recycling and reusing waste products • types of material suitable and unsuitable for chipping and mulching • types, purpose, features and operation of mobile chipping and mulching units • capacity of chippers and mulchers to cope with differing sizes and diameters of branch • feed rates at which material is fed into chippers and mulchers to optimise output without damaging or blocking machinery • feeding techniques to minimise operator exposure or injury • techniques for loading chipped / mulched material into truck or transport vehicle • criteria and methods for checking cutting blade condition • operator maintenance procedures including for fuelling, safety checks, cleaning, lubricating, operational adjustments, cutter inspection, cutter removal, disposal and replacement • common hazards associated with chipping and mulching operations and methods to minimise associated risks • workplace procedures specific to chipping and mulching: <ul style="list-style-type: none"> • workplace health and safety with particular emphasis on equipment lock out, use of personal protective equipment (PPE) and safe manual handling • communication reporting lines • recording and reporting production outcomes and equipment faults. 	

Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting • resources, equipment and materials: <ul style="list-style-type: none"> • mobile chipper or mulcher • truck or transport vehicle suitable for transporting chipped / mulched material • suitable material to chip or mulch • PPE required in chipping and mulching operations • communication system • specifications: <ul style="list-style-type: none"> • access to work order or instruction detailing chipping or mulching operations to be carried out by operator • access to workplace policies and procedures which cover current Work Health and Safety Acts or Occupation Health and Safety Acts, regulations and related industry standards and codes of practice applicable to chipping or mulching operations 	

Assessment Conditions
<ul style="list-style-type: none">• access to workplace policies and procedures which cover off on current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to chipping or mulching operations• access to workplace safety and environmental protection plans• access to site emergency procedure• access to workplace standard operating procedures or operator manual for mobile chippers or mulchers. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

Links	Companion Volumes, including Implementation Guides, are available at VETNet https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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