



Australian Government

FWPFGM2202 Prepare seedbed

Release: 1

FWPFGM2202 Prepare seedbed

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM2202B Prepare seedbed, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to select and implement appropriate seedbed preparation techniques, and to survey and review the prepared seedbed. Work is completed in a forest environment setting.

The unit applies to Arboriculture worker, Farm forestry worker, Forestry worker, Nursery worker

Plantation establishment worker, Plantation forest officer, Silviculturist

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication. Where licensing for load shifting or other mobile equipment is required, the relevant units of competency should also be accessed and are to be met concurrently or prior to the achievement of this unit.

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

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. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Select site preparation techniques	1.1 Review work order and where required check with appropriate personnel.

ELEMENTS	PERFORMANCE CRITERIA
and equipment	1.2 Select seedbed preparation technique in line with work order and obtain approval from appropriate personnel. 1.3 Select appropriate tools, equipment, personal protective and other safety and check for serviceable condition.
2. Plan and prepare site	2.1 Record site preparation plan in line with work order and environmental protection practices. 2.2 Prepare seedbed using appropriate techniques in line with site preparation plan. 2.3 Monitor seedbed preparation for issues, adjusting techniques and seeking assistance as required.
3. Survey and review seedbed	3.1 Inspect seedbed and record findings in line with organisational procedures. 3.2 Identify improvements to seedbed preparation methods and techniques and take remedial action as required. 3.3 Record and report seed bed preparation processes and improvement suggestions to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- complete routine measurements of seedbed dimensions - estimate space required in seedbed for multiple seed species.
Oral communication skills to:	- ask open and closed probe questions and actively listen to clarify contents of work orders - make accurate verbal reports on selection of seedbed techniques.
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures - work orders - manufacturers' instructions.
Writing skills to:	- complete basic records of survey results and seedbed preparation processes - prepare basic site plans and reports suggesting process improvements.

-
-

Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM2202B Prepare seedbed

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPFGM2202 Prepare seedbed

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM2202B Prepare seedbed, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- develop a basic site preparation plan with information on:
 - forest area to be prepared
 - particular preparation techniques to be used
 - scheduling
 - resource requirements
 - responsibilities
- select and use appropriate equipment for seedbed preparation including:
 - self propelled or trailed plows, disks, chisels, sweeps for primary tillage
 - harrows, rakes, packers, bed formers, and levellers for final preparation
 - manual and trailed sprayers
 - excavator or skidder for clearing and rough heaping
- using the above site preparation plan, prepare a seedbed using each of the following site preparation techniques:
 - application of herbicides
 - burning
 - clearing
 - rough-heaping

- cultivation
- ripping
- post-raking
- adjust seedbed preparation in response to issues
- for the seedbed prepared above, complete a basic report describing:
 - survey results
 - suggestions for improvements to seedbed preparation methods and techniques.
-

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices specific to the seedbed site
- techniques for seedbed preparation:
 - application of herbicides using manual and trailed sprayers
 - burning
 - clearing
 - rough-heaping
 - cultivation
 - ripping
 - post-raking
- site preparation requirements for particular seed species
- key specific seedbed requirements required for sowing suitable seed species:
 - • range of species to be sown or planted
 - • season
 - • area topography
- organisational procedures specific to preparing seedbeds:
 - workplace health and safety with particular emphasis on use of personal protective equipment
 - communication reporting lines
 - recording and reporting site preparation plans, survey results and preparation processes.
-

Assessment Conditions

The following resources must be made available:

- site for seedbed preparation
- tools and equipment used to prepare seedbeds
- personal protective equipment suitable for seedbed preparation
- work order with specific instructions for seedbed preparation

- documents, spreadsheets and commonly used proformas for recording site preparation plans, survey results, preparation processes and suggestions for improvements
- relevant personnel for the purposes of communicating information
- organisational procedures for seedbed preparation.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence
-

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>