



Australian Government

AHCTRF208 Support turf establishment

Release: 1

AHCTRF208 Support turf establishment

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to establish turf by seed, sod or other methods.

The unit applies to individuals who establish turf and 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

Turf (TRF)

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 to establish a planted area	1.1 Select materials, tools, equipment and machinery for planting according to turf establishment program 1.2 Carry out pre-operational and safety checks on tools, equipment and machinery according to workplace procedures and operator instructions 1.3 Identify workplace health, safety and environmental hazards, assess risks and implement controls in consultation with supervisor 1.4 Select, ensure serviceability of, fit and use personal protective

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	equipment
2. Prepare the planting area	2.1 Interpret site plans to locate and avoid services while undertaking earthworks in consultation with the supervisor 2.2 Implement weed control strategies according to turf establishment program and supervisor instructions 2.3 Check soil condition to ensure it meets turf establishment program specifications 2.4 Apply soil additives according to turf establishment program and supervisor instructions 2.5 Prepare the soil surface and moisture conditions ready to receive the turf propagation material 2.6 Collect and dispose of waste according to workplace environmental procedures
3. Plant turf	3.1 Check turf propagation material against turf establishment specifications and report defects to supervisor 3.2 Distribute turf propagation material on turf area 3.3 Implement irrigation requirements to newly propagated turf according to supervisor instructions
4. Provide post-planting care	4.1 Protect the site from disturbance and damage 4.2 Implement turf mowing practices during the establishment phase 4.3 Apply top dressing to level the turf area according to turf establishment specifications 4.4 Apply fertiliser amendments to enhance plant health in consultation with the supervisor 4.5 Assess turf site soil moisture condition and rectify according to supervisor instructions
5. Complete establishment of the planted area	5.1 Clean and maintain tools, equipment and machinery according to workplace procedures 5.2 Collect and store tools, equipment, machinery and unused materials 5.3 Report work outcomes to supervisor

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	Interpret symbols and text from turf product supplier packaging and other information sources to identify critical information for safety and application
Oral communication	- Use open and closed questions logically to clarify work instructions - Use industry terminology to communicate with supervisor
Numeracy	Estimate and calculate distance, area, volume, percentage and ratio

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF208 Support turf establishment	AHCTRF204 Support turf establishment	Performance criteria clarified Foundation skill added Performance evidence, knowledge evidence and assessment conditions expanded	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 AHCTRF208 Support turf establishment

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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 established a turf surface using at least three different propagation materials, including:

- seed (hand seed sowing, mechanical seed sowing, hydro-seeding, drilling)
- sod (turf rolls or sheets)
- and one of following:
 - sprigs (hand sprigging, hydro sprigging, mechanical sprigging)
 - plugs.

There must also be evidence that the individual has:

- interpreted site plans and turf establishment instructions to determine work site impediments and required turf establishment activities
- identified hazards and risks and implemented control measures for personal and site-specific safety
- prepared materials, equipment, machinery and turf propagation materials ready for implementation
- performed turf establishment activities safely using equipment, machinery and materials
- collected and disposed waste from turf establishment site
- safely transported, cleaned, maintained and stored turf establishment machinery and equipment
- reported turf renovation activities, faults and issues.

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:

- principles and practices for supporting turf establishment, including:
 - propagation methods for new turf, including seed, sod, sprigs and plugs

- distributing/laying/planting turf propagation materials to establish even coverage
- applications of propagation methods for sports turf
- sports turf grass species and their propagation and establishment
- handling and assessing turf propagation materials for defects
- irrigation requirements for establishment of newly propagated turf
- soil types and their preparation for establishing new turf, including:
 - basic checks to assess soil condition, including soil moisture, tilth, compactness, depth and organic matter
 - soil preparation additives, including fertilisers, ameliorants, moisture control materials and growth regulators
 - calculations for rates of application
 - methods for incorporation of soil additives
 - soil preparation requirements for turf propagation techniques
- tools and machinery used in preparing new turf surfaces, including:
 - sod cutter
 - rotary hoe
 - transporters
 - bobcat or loader
 - scarifier
 - self-propelled cylinder mower
 - ride-on mower
 - fertiliser application equipment
 - top-dresser
 - drag mat
 - hand tools, including shovels, spades, turf pluggers, buckets, level lawns
 - equipment pre-start checks
 - care and storage of tools, equipment and machinery
- post-turf propagation treatments, including:
 - protection for seed, sod, sprigs and plugs during first weeks of establishment
 - basic irrigation practices, and recognising turf establishment needs and problems
 - rolling and mowing practices for new turf
 - monitoring nutrient, pest, diseases and damage
 - top dressing
- workplace health and safety hazards, risks and control measures when constructing new turf, including:
 - site safety
 - personal safety
 - safe use and operation of tools, equipment and machinery
- reporting procedures relevant to turf construction.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- • physical conditions:
 - a sports turf facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - soil preparation hand tools, equipment and machinery
 - personal protection safety equipment
 - soil amendments and treatment materials
 - turf grass species and propagation materials
- specifications:
 - turf establishment program and specifications
 - workplace procedures and instructions for turf establishment, including health, safety and environmental procedures
- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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