

**Modification history**

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

<b>AHCTRF204</b>	<b>Support turf establishment</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to establish turf by seed, sod or other methods.</p> <p>The unit applies to individuals working in a range of job 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</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Turf (TRF)

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 manufacturer instructions 1.3 Identify work health, safety and environmental hazards, assess risks and implement controls in consultation with supervisor 1.4 Select, ensure serviceability, fit and use personal protective 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 according to turf establishment program 2.6 Collect and dispose of waste according to workplace and environmental procedures
3. Plant turf	3.1 Check turf propagation material against turf establishment specifications and report defects according to workplace procedures 3.2 Distribute turf propagation material on turf area according to the turf establishment program 3.3 Implement irrigation requirements to newly propagated turf according to supervisor instructions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Provide post-planting care	4.1 Protect the site from disturbance and damage according to workplace procedures 4.2 Implement turf mowing practices during the establishment phase according to workplace procedures and supervisor instructions 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 according to workplace and environmental procedures 5.3 Record and report work outcomes according to workplace procedures

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"> <li>Interpret symbols and text from turf product supplier packaging and other information sources to identify critical information for safety and application.</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use open and closed questions logically to clarify work instructions</li> <li>Use industry terminology to communicate with supervisor</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Estimates and calculates distance, area, volumes, percentage and ratio</li> </ul>

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCTRF204 Support turf establishment	AHCTRF204 Support turf establishment	Changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	Equivalent unit

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

TITLE	Assessment requirements for AHCTRF204 Support turf establishment
<b>Performance Evidence</b>	
<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 established a turf surface using at least three different propagation materials, including:</p> <ul style="list-style-type: none"> <li>• seed (either hand seed sowing, mechanical seed sowing, hydro-seeding, or drilling)</li> <li>• sod (turf rolls or sheets)</li> <li>• and one of following methods:             <ul style="list-style-type: none"> <li>• sprigs (either hand sprigging, hydro sprigging, mechanical sprigging)</li> <li>• plugs.</li> </ul> </li> </ul> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> <li>• interpreted site plans and turf establishment instructions to determine work site impediments and required turf establishment activities</li> <li>• identified, hazards and risks and implemented control measures for personal and site specific safety according to workplace procedures</li> <li>• prepared materials, equipment, machinery and turf propagation materials ready for implementation according to turf establishment program</li> <li>• performed turf establishment activities safely using equipment, machinery and materials according to renovation plan and workplace procedures</li> <li>• collected waste from turf establishment site and disposed of according to workplace safety and environmental procedures</li> <li>• safely transported, cleaned, maintained and stored turf establishment machinery and equipment according to workplace procedures</li> <li>• recorded and reported turf renovation activities, faults and issues according to enterprise procedures.</li> </ul>	
<b>Knowledge Evidence</b>	
<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"> <li>• principles and practice for supports turf establishment including:             <ul style="list-style-type: none"> <li>• propagation methods for new turf including, seed, sod, sprigs, plugs</li> <li>• distributing/laying/planting turf propagation materials to establish even coverage</li> <li>• applications of propagation methods for sports turf</li> <li>• sports turf grass species and their propagation and establishment</li> <li>• handling and assessing turf propagation materials for defects</li> <li>• irrigation requirements for establishment of newly propagated turf</li> </ul> </li> <li>• soil types and their preparation for establishing new turf             <ul style="list-style-type: none"> <li>• basic checks to assess soil condition include; soil moisture, tilth, compactness, depth and organic matter</li> <li>• soil preparation additives including, fertilisers, ameliorants, moisture control materials, pesticides and herbicides</li> <li>• calculations for rates of application</li> <li>• methods for incorporation of soil additives</li> <li>• soil preparation requirements for turf propagation techniques</li> </ul> </li> <li>• tools and machinery used in preparing new turf surfaces including:             <ul style="list-style-type: none"> <li>• sod cutter</li> <li>• rotary hoe</li> <li>• transporters</li> <li>• bobcat or loader</li> <li>• scarifier</li> <li>• self-propelled cylinder mower</li> <li>• ride on mower</li> <li>• fertiliser spreader</li> </ul> </li> </ul>	

Knowledge Evidence	
<ul style="list-style-type: none"> <li>• top-dresser</li> <li>• drag mat</li> <li>• fertispray equipment</li> <li>• generator</li> <li>• hand tools; shovels, spades, turf pluggers, buckets, level lawns</li> <li>• equipment pre-start checks</li> <li>• care and storage of tools, equipment and machinery</li> <li>• post turf propagation treatments including                             <ul style="list-style-type: none"> <li>• protection for seed, sod, sprigs and plugs during first weeks of establishment</li> <li>• basic irrigation practices and recognising turf establishment needs and problems</li> <li>• rolling and mowing practices for new turf</li> <li>• monitoring nutrient, pest, diseases and damage</li> <li>• top dressing purpose and procedures</li> </ul> </li> <li>• workplace health and safety hazards, risks and control measures when constructing new turf including:                             <ul style="list-style-type: none"> <li>• site safety</li> <li>• personal safety</li> <li>• safe use and operation of tools, equipment and machinery</li> </ul> </li> <li>• record keeping and reporting procedures relevant to turf construction.</li> </ul>	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:                             <ul style="list-style-type: none"> <li>• a sports turf facility or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials:                             <ul style="list-style-type: none"> <li>• soil preparation hand tools, equipment and machinery</li> <li>• personal protection safety equipment</li> <li>• soil amendments and treatment materials</li> <li>• turf grass species and propagation materials</li> </ul> </li> <li>• specifications:                             <ul style="list-style-type: none"> <li>• turf establishment program and specifications</li> <li>• workplace procedures and instructions for turf establishment, including health, safety and environmental</li> </ul> </li> <li>• relationships:                             <ul style="list-style-type: none"> <li>• supervisor.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet:  <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a></p>