



Australian Government

AHCTRF304 Monitor turf health

Release: 1

AHCTRF304 Monitor turf health

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to monitor the health and condition of high performance sports turf playing surfaces.

It applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Turf (TRF)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for monitoring activities	1.1 Identify the turf site to be monitored, the nature and regularity of monitoring and time constraints for delivering reports 1.2 Identify plant tissue and soil analysis consultants and determine their sampling specifications in consultation with the supervisor and/or consultants 1.3 Select monitoring tools and equipment
2. Collect soil and plant tissue samples	2.1 Perform on-site soil tests according to testing instrument instructions 2.2 Collect samples for off-site testing from a representative area and

Element	Performance criteria
	prepare, package and despatch 2.3 Replace divots from soil sampling sites and dispose of waste materials 2.4 Clean sampling tools and equipment and return to storage 2.5 Record and compare results of analysis with acceptable parameters 2.6 Make recommendations to address identified deficiencies and to meet target chemical balances
3. Visually monitor turf health	3.1 Assess indicators of turf health visually with reference to researched and experiential awareness 3.2 Identify deficiencies in turf health and quality visually with reference to researched and experiential awareness 3.3 Make reports and recommendations according to the playing requirements and desired objectives of the enterprise

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCTRF304A Monitor turf health.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCTRF304 Monitor turf health

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- assess turf health
- identify deficiencies and diseases in turf
- inspect and report on the condition of turfed surfaces
- perform soil sampling and analyse results
- prepare turf maintenance recommendations according to the playing requirements and desired objectives of the enterprise

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of turf health
 - botany and turf physiology as it applies to turf health
 - main, simple and compound fertiliser products available to the enterprise including analysis, solubility, salt index, rates and cost
 - rates and regularity of recommended fertiliser and pesticide application to achieve optimum plant health objectives while minimising external environment impact through leaching, excessive spraying and overuse
 - role of trace elements and nutrients required by turf grass plants, and symptoms of toxicities and deficiencies
 - soil and plant tissue analysis as a monitoring and turf management tool, the main elements of analysis and their significance as indicators of nutritional deficiency and toxicity
 - turf grass diseases, including commonly occurring regional diseases, seasonality, site history and visual disease symptoms

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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