



Australian Government

AHCNAR506 Develop and implement sustainable land use strategies

Release: 1

AHCNAR506 Develop and implement sustainable land use strategies

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to develop and implement sustainable land use strategies.

This unit applies to managers of agricultural and production horticulture enterprises whose job role includes developing land use strategies that lead to improved ecological sustainability of land under production. These individuals take responsibility for their own work and provide and communicate solutions to a range of predictable and sometimes unpredictable problems.

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

Natural Area Restoration (NAR)

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. Assess requirements for improved land use	1.1 Audit the natural resource base and identify threats to sustainability 1.2 Review the production and management plans to incorporate sustainable land use principles 1.3 Assess water resources, quality and impacts of run off for risk of erosion

Element	Performance criteria
	1.4 Assess soil health and fertility against the requirements of the production plan 1.5 Assess vegetation types and coverage and identify required changes 1.6 Plan and prioritise land and water protection measures and structures
2. Carry out structural improvements to address threats to sustainability	2.1 Follow work health and safety policies and procedures in field work 2.2 Inspect sites, note key features and place pegs for improvements 2.3 Determine materials for the construction from the plans 2.4 Obtain and organise materials, personnel and equipment 2.5 Check equipment to be used 2.6 Construct structural works and revegetate the area and secure from livestock
3. Treat areas of land degradation	3.1 Realign fences to land classes and soil conservation works 3.2 Protect contour banks and repair as necessary 3.3 Construct water carrying structures or repair as necessary 3.4 Establish shelter belts for crop and stock protection 3.5 Review and amend soil cultivation and planting practices to prevent erosion and minimise soil run-off 3.6 Plan grazing strategies to maximise ground cover and avoid damage through foot tracks or damage to banks 3.7 Ensure all works and plans comply with environmental protection legislation, regulations and codes of practice

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 AHCNAR506A Develop and implement sustainable land use strategies.

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 AHCNAR506 Develop and implement sustainable land use strategies

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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:

- develop and implement sustainable land use strategies
- identify the threats to sustainability for an area or region
- manage water resources and riparian zones
- manage vegetation and plant succession for an area
- manage the health and sustainability of soils
- incorporate sustainability principles into land use practices
- apply work health and safety practices in the context of own work

Knowledge Evidence

The candidate must demonstrate knowledge of:

- the role of biodiversity in farming systems
- sustainable land and water use principles and practices applicable to the region
- sustainable soil management
- soil appraisal and remediation strategies
- environmental controls and codes of practice applicable to the business and to the improvement works
- relevant legislation and regulations relating to soil and water degradation issues, chemical use and structural works
- relevant work health and safety and environmental protection legislation, regulations and codes of practice
- causes of land degradation

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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