



Australian Government

AHCBAC404 Plan and implement agricultural crop maintenance

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to plan and implement agricultural crop maintenance.

All work must be carried out to comply with workplace procedures, work health and safety and biosecurity legislation and codes, and sustainability practices.

This unit applies to individuals who take responsibility for 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.

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

Broad acre cropping (BAC)

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. Determine condition of agricultural crops	1.1 Measure and assess soil moisture and calculate soil water percentage 1.2 Calculate water requirements to soil analysis data, standing crop, and forecast weather conditions 1.3 Assess nutrient requirements and availability for crops and identify deficiencies 1.4 Identify factors affecting crop capacity

Element	Performance criteria
	1.5 Assess technology to ensure most efficient performance of operations 1.6 Identify work health and safety hazards in crop maintenance and assess risks
2. Determine pest control	2.1 Assess evidence of pests and disease and determine appropriate integrated control measures 2.2 Locate and identify areas of weed infestation for reduction or eradication 2.3 Select appropriate integrated control methods 2.4 Schedule suitable control methods appropriately 2.5 Maintain records on severity of infestations and treatments used
3. Manage crop health	3.1 Implement work health and safety controls 3.2 Monitor crop to maintain water and nutritional requirements for optimal production 3.3 Implement sustainable land management practices appropriately 3.4 Monitor weed and pest levels and modify the control program as required 3.5 Assess, document and analyse benefits from soil and plant inputs and treatments 3.6 Monitor and document cropping programs 3.7 Document and record relevant data for continual analysis and effective crop management

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 AHCBA404A Plan and implement agricultural crop maintenance.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>