



Australian Government

AHCBAC309 Undertake preparation of land for agricultural crop production

Release: 1

AHCBC309 Undertake preparation of land for agricultural crop production

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to select materials and equipment from crop production plan and prepare the land for an agricultural crop.

The unit applies to individuals who work under broad direction and take responsibility for own work including limited responsibility for the work of others. They use discretion and judgement in the selection and use of available resources and complete routine activities.

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

Pre-requisite Unit

Nil

Unit Sector

Broad Acre Cropping (BAC)

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. Determine requirements for land preparation	1.1 Confirm work requirements from crop production plan with supervisor 1.2 Confirm method of land preparation and order of work from crop production plan 1.3 Identify work health and safety hazards, assess risk and implement controls according to workplace health and safety procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Select, check, use and maintain personal protective equipment (PPE)
2. Prepare for land preparation	2.1 Select vehicles, equipment, machinery or technology required for land preparation according to crop production plan 2.2 Inspect vehicles, equipment and machinery for operational use and report faults to supervisor 2.3 Clean vehicles, equipment and machinery according to workplace biosecurity and hygiene procedures 2.4 Check and calibrate equipment and machinery according operator instructions and crop production plan specifications 2.5 Record maintenance and servicing activity according to workplace record keeping procedures
3. Implement land preparation activities	3.1 Verify timelines, resources and quality standards specified in crop production plan 3.2 Clear land of unwanted debris and waste according to crop production plan, biosecurity and environmental procedures 3.3 Implement weed and pest control measures specified in crop production plan 3.4 Apply fertilisers, ameliorants, or pre-planting treatments according to crop production plan 3.5 Identify and respond to potential implications of land preparations on environment according to workplace environmental procedures 3.6 Operate vehicles and equipment efficiently and safely according to operator instructions and crop production plan specifications 3.7 Monitor vehicle and equipment performance and adjust for discrepancies
4 Complete land preparation operations	4.1 Clean and store vehicles, equipment and machinery according to workplace biosecurity and hygiene procedures 4.2 Dispose of waste according to workplace environmental procedures 4.3 Maintain records and documentation according to workplace procedures

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 manufacturer specifications, work and maintenance plans, safety data sheets (SDS) and crop standards
Writing	Complete records and documents relevant to crop production and site preparation
Numeracy	Calculate areas, volumes and ratios relevant to the preparation of site and for incorporation of fertilisers, ameliorants and treatments

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBAC309 Undertake preparation of land for agricultural crop production	AHCBAC305 Undertake preparation of land for agricultural crop production	Edited Application for clarity Consolidated and re sequenced Elements and Performance Criteria for clarity Foundation Skills refined Performance Evidence and Knowledge Evidence clarified and terminology updated Amended structure of Assessment Conditions	Equivalent

Links

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