



Australian Government

AHCBAC405 Supervise agricultural crop harvesting

Release: 1

AHCBA405 Supervise agricultural crop harvesting

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to supervise agricultural crop harvesting.

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. Prepare for harvesting	1.1 Assess crop maturity and quality in readiness for harvesting 1.2 Determine pre-harvest treatments for the control and eradication of pests and implement appropriately 1.3 Identify and comply with licence or permit requirements 1.4 Assess insurance requirements and plan and implement required risk management strategies 1.5 Identify work health and safety hazards and assess risks in crop

Element	Performance criteria
	harvesting
2. Determine harvest strategy	2.1 Estimate and calculate optimum timing to carry out harvest according to crop maturity assessment 2.2 Assess resource requirements appropriate to the size of the crop and estimated timing of harvest 2.3 Assess technology to ensure most efficient performance of operations 2.4 Arrange and confirm required labour and equipment to carry out harvesting operations within budgetary constraints 2.5 Identify and arrange appropriate requirements for fire prevention and control
3. Coordinate the harvest strategy	3.1 Implement work health and safety controls 3.2 Implement appropriate communication strategies 3.3 Implement harvesting operations and adjust as required according to weather, equipment and staff requirements 3.4 Coordinate and monitor equipment operation 3.5 Identify and control existing and potential biosecurity hazards appropriately
4. Complete harvest operation	4.1 Identify appropriate storage resources and strategies for drying grain 4.2 Segregate grain quality of grain to marketing grades and monitor for moisture content according to classification standards 4.3 Evaluate harvesting operations and outcomes against harvest strategy 4.4 Document and record information for continual analysis and effective planning 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 AHCBA405A Supervise agricultural crop harvesting.

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 AHCBA405 Supervise agricultural crop harvesting

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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:

- organise and schedule the maintenance of plant and equipment
- establish strategies, procedures and controls for crop harvesting
- negotiate and arrange contracts and agreements
- implement safe workplace and positive environmental practices
- deal with weather and other contingencies
- establish strategies, procedures and controls for crop harvesting, including fire prevention and control plans
- correct use of technology to improve efficiency
- negotiate and arrange contracts and agreements
- estimate crop yields
- maintain budgetary controls
- assess crop maturity and quality in readiness for harvesting
- arrange storage and delivery requirements
- segregate grain for quality and monitor for moisture content
- implement work health and safety policies in the context of the work team
- implement biosecurity policies in the context of the work team.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- crop maturity and yield potential
- grain or seed quality
- functions and limitations of harvesting equipment
- role of technology in improving efficiency
- crop measurement techniques and parameters

- grain market information and sources
- location and relative skills and abilities of available contractors
- weather conditions which may affect the harvest
- relevant legislation, codes of practice and enterprise requirements for Work Health and Safety, contractor engagement, environment and pesticides
- environmental controls and codes of practice applicable to harvesting operations
- enterprise biosecurity policies.

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

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