

Modification history

| Release | Comments |
|-----------|---|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0. |

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| AHCBAC405 | Supervise agricultural crop harvesting |
| Application | <p>This unit of competency describes the skills and knowledge required to assess crop harvesting condition and resource requirements, plan a strategy for harvest operations and supervise the harvesting of an agricultural crop.</p> <p>The 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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p> |
| Prerequisite Unit | Nil |
| Unit Sector | Broad Acre Cropping (BAC) |

| Elements | Performance Criteria |
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| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1. Prepare for harvesting | 1.1 Assess crop maturity and quality in preparation for harvesting 1.2 Determine and implement pre-harvest treatments 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 health and safety hazards, assess risk and develop and implement controls procedures |
| 2. Determine harvest strategy | 2.1 Determine optimum timing for harvest according to crop maturity assessment 2.2 Assess resource requirements for size of crop and estimated timing of harvest 2.3 Assess technology to ensure most efficient performance of operations 2.4 Arrange and confirm labour and equipment resources for harvesting operations within budgetary constraints 2.5 Identify and arrange fire prevention and control procedures according to risk assessment |
| 3. Coordinate the harvest strategy | 3.1 Implement communication strategies 3.2 Implement harvesting operations and implement contingencies according to impact of weather, equipment and work team performance 3.3 Coordinate and monitor equipment performance 3.4 Identify and control biosecurity threats according to biosecurity procedures |
| 4. Complete harvest operation | 4.1 Identify storage resources and strategies for drying harvested crop 4.2 Assess crop quality and segregate according to marketing grades 4.3 Monitor moisture content according to industry classification standards 4.4 Assess and reconcile harvesting operations and outcomes against harvest strategy 4.5 Record information on harvesting operations according to workplace procedures |

Commented [RB1]: Is this the role of a supervisor/senior farm hand or a manager?

AHCBAC405 Supervise agricultural crop harvesting

| Foundation Skills | |
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| <i>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.</i> | |
| Skill | Description |
| Reading | <ul style="list-style-type: none"> Identify, collate and analyse documentation for crop and harvest requirements for incorporation in harvest plan |
| Oral Communication | <ul style="list-style-type: none"> Use collaborative and inclusive language and techniques including active listening, questioning and reading of verbal and non-verbal signals to convey and clarify information, confirming work team understanding and compliance with harvesting procedures |
| Numeracy | <ul style="list-style-type: none"> Use formulae and numerical information to determine timing of harvest and establish volumes of harvested crop for transport and storage requirements |

| Unit Mapping Information | | | |
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| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBAC405 Supervise agricultural crop harvesting Release 2 | AHCBAC405 Supervise agricultural crop harvesting Release 1 | Changes to Application. Minor changes and consolidation of Performance Criteria. Added Foundation Skills. Updated Performance Evidence, Knowledge Evidence and Assessment Conditions | Equivalent |

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

| TITLE | Assessment requirements for AHCBAC405 Supervise agricultural crop harvesting |
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| Performance Evidence | |
| <p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has planned and supervised the harvest of an agricultural crop and has:</p> <ul style="list-style-type: none"> organised and scheduled maintenance of plant and equipment established strategies, procedures and controls for crop harvesting negotiated and arranged contracts and agreements implemented safe workplace and environmental practices considered and implemented contingencies established strategies, procedures and controls for crop harvesting implemented and supervised health and safety procedures during harvesting operations, including: <ul style="list-style-type: none"> fire prevention and control plans personal safety assess and incorporated technology to improve harvest efficiencies 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 | |
| <p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> harvesting strategies for various agricultural crops crop features and recognition of readiness for harvesting, including: <ul style="list-style-type: none"> sampling crops crop measurement techniques and parameters assessing samples for harvesting post-harvest treatments of crops crop maturity and yield potential grain or seed quality grain market information and sources pre-harvest treatments for the control and/or eradication of pests and disease operation of crop harvesting machinery and equipment, including: <ul style="list-style-type: none"> functions and limitations of harvesting equipment safety and use of equipment handling and manoeuvring of harvesting equipment principles of controlled traffic farming (CTF) pre- and post-operational checks on tools, harvesting machinery and equipment routine, service and maintenance procedures for tools, harvesting machinery and equipment federal and international standards for harvested crops procedures for crop handling and hygiene workplace health and safety procedures including: <ul style="list-style-type: none"> hazards and risk assessment machinery hazards fire risk for equipment and stored crop workplace environmental and biosecurity policies and procedures role of technology in improving efficiency location and relative skills and abilities of available contractors weather conditions affecting harvest operations | |

Commented [RB2]: Is one crop harvesting operation sufficient for assessment?

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| Knowledge Evidence | |
| <ul style="list-style-type: none"> • relevant legislation, codes of practice and enterprise requirements for workplace health and safety, contractor engagement, environment and pesticide use • environmental controls and codes of practice applicable to harvesting operations • enterprise biosecurity policies and procedures. | |
| Assessment Conditions | |
| <p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated on farm with maturing crop or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • crop nearing maturity • use of planning and project management tools • use of harvesting tools, equipment and machinery • use of personal protective equipment • crop sampling equipment • specifications: <ul style="list-style-type: none"> • use of workplace policies, procedures and processes • access to workplace harvesting plans and specifications • access to legislation and codes of practice relevant to crop harvesting • industry standards for crop quality and condition for sale • relationships: <ul style="list-style-type: none"> • work team and contractors • timelines: <ul style="list-style-type: none"> • specified in harvest plan to preserve quality. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p> | |
| Links | <p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</p> |