

**Modification history**

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

AHCBAC201	Assist agricultural crop establishment
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to assist others in the preparation of materials, equipment and crop site for agricultural crop establishment and to assist in the planting program.</p> <p>The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for own work. They undertake defined activities and work in a structured context.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Broad Acre Cropping (BAC)

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. Prepare for agricultural crop establishment operations	1.1 Interpret and implement instructions from supervisor 1.2 Select and prepare machinery, equipment and tools according to biosecurity and workplace procedures 1.3 Identify work health and safety hazards in crop establishment and report to supervisor 1.4 Select, use and maintain suitable personal protective equipment
2. Prepare the site for crop establishment	2.1 Remove and dispose of old crop and other waste materials according to instructions, biosecurity and environmental procedures 2.2 Apply soil amendments according to instructions 2.3 Follow crop production plan 2.4 Implement crop protection activities according to instructions 2.5 Mark out planting pattern according to crop production plan 2.6 Operate machinery, equipment and tools according to workplace safety procedures and operator instructions
3. Carry out establishment operations	3.1 Treat planting material according to supervisor instructions 3.2 Handle and transport planting material safely 3.3 Carry out planting plan
4. Complete establishment operation	4.1 Clean and sanitise tools and equipment according to instructions and biosecurity procedures 4.2 Clean-up worksite and dispose of waste according to workplace polices and environmental procedures 4.3 Maintain crop production records according to workplace procedures

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<b>Foundation Skills</b>	
<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>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret, consolidate and check understanding and accuracy of instructions with supervisor</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Use industry language and correct concepts and terminology when updating records</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Perform basic mathematical calculations to determine correct volumes of fuel, lubricants and coolants</li> <li>Perform basic calculations when calibrating and setting machinery for harvesting operations</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCBAC201 Assist agricultural crop establishment Release 2	AHCBAC201 Assist agricultural crop establishment Release 1	Changes to Application. Minor edits to Performance Criteria. Added foundation skills. Updated Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
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<b>TITLE</b>	<b>Assessment requirements for AHCBAC201 Assist agricultural crop establishment</b>
<b>Performance Evidence</b>	
<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 assisted in the establishment of at least <b>2 different seasonal agricultural crops for a minimum of X hectares</b>, including:</p> <ul style="list-style-type: none"> <li>• communicated with supervisor and team members and followed instructions and plans</li> <li>• performed paddock and ground preparations ready for planting including: <ul style="list-style-type: none"> <li>• applied pre-planting soil treatments</li> <li>• calibrated the planting equipment</li> </ul> </li> <li>• performed planting operations according to plan including: <ul style="list-style-type: none"> <li>• treated and planted seed</li> <li>• applied fertiliser during seed sowing and as a follow-up operation</li> <li>• applied herbicides under supervision</li> </ul> </li> <li>• operated a range of crop establishment machinery</li> <li>• maintained records of preparation and planting</li> <li>• followed enterprise work health and safety, biosecurity and environmental procedures.</li> </ul>	
<b>Knowledge Evidence</b>	
<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"> <li>• basic principles of broad acre cropping and their establishment, including: <ul style="list-style-type: none"> <li>• importance of correct timing and procedures for crop planting</li> <li>• field hygiene, biosecurity and quality control for crop establishment</li> <li>• a range of pre-planting soil treatments and their importance</li> </ul> </li> <li>• accumulation of waste and its disposal, including: <ul style="list-style-type: none"> <li>• impact on the environment</li> <li>• types of waste common to cropping</li> <li>• procedures for the disposal of containers, leftover fluids, organic materials and other debris</li> </ul> </li> <li>• workplace health and safety, risks and hazards, including: <ul style="list-style-type: none"> <li>• responsibilities for following safety instructions/directions</li> <li>• safe application agricultural chemicals</li> </ul> </li> <li>• preparation and operation of common farm machinery used in crop establishment, including: <ul style="list-style-type: none"> <li>• machinery operation and safety</li> <li>• manufacturers specifications</li> <li>• enterprise procedures</li> <li>• equipment calibration</li> </ul> </li> <li>• communication with team members and supervisor</li> <li>• calculations and measurements required for determining quantities of materials for treatments and fertilising</li> <li>• basic calculations and spatial awareness for determining crop spacing and planting patterns.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• skills must be demonstrated on a farm or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• use of seeds and or plants for planting</li> <li>• use of tools machinery and equipment</li> <li>• use of personal protective equipment</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• use of workplace procedures and processes</li> </ul> </li> </ul>	

**Commented [RB1]:** SME comment re the number and size of assessment area.  
 What area should each individual have to prepare to be deemed competent.  
 The impact of this will be on the amount of space required by RTO's to assess every student, unless assessed on the job.

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<b>Assessment Conditions</b>
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| <ul style="list-style-type: none"><li>• use of manufacturer's operating instructions for tools, equipment and machinery</li><li>• access to specific safety data sheets for treatments and fertilisers</li><li>• use of instructions and plans for planting</li><li>• relationships:<ul style="list-style-type: none"><li>• team member and supervisor</li></ul></li></ul> |
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Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.
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<b>Links</b>
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