Modification history

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| Release | Comments |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version X.0. |

| AHCBAC2XX | Assist agricultural crop establishment |
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| Application | 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 crop production program.  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.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Broad Acre Cropping (BAC) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for agricultural crop establishment operations | 1.1 Interpret and implement instructions from supervisor  1.2 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 Implement procedures to manage previous crop and waste materials according to supervisor instructions, biosecurity and environmental procedures  2.2 Apply soil amendments where required, according to supervisor instructions  2.3 Implement crop protection activities according to instructions and crop production plan  2.4 Confirm planting pattern according to crop production plan  2.5 Operate machinery, equipment and tools according to workplace safety procedures and operator instructions |
| 3. Carry out crop establishment operations | 3.1 Treat seeds/planting material according to supervisor instructions  3.2 Handle and transport seeds/planting material according to supervisor instructions and workplace health and safety procedures  3.3 Carry out seed/planting operations according to supervisor instructions, crop production plan and biosecurity procedures |
| 4. Complete establishment operation | 4.1 Clean and sanitise tools and equipment according to instructions and biosecurity procedures  4.2 Clean worksite and dispose of waste according to workplace and environmental procedures  4.3 Maintain crop production records 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. | |
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| Skill | Description |
| Reading | * Interpret, consolidate and check understanding and accuracy of instructions with supervisor |
| Writing | * Use industry language and correct concepts and terminology when updating records |
| Numeracy | * Perform basic mathematical calculations to determine correct volumes of fuel, lubricants and coolants * Perform basic calculations when setting machinery for crop establishment operations |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBAC2XX Assist agricultural crop establishment | AHCBAC201 Assist agricultural crop establishment | Changes to Application. Minor edits to Performance Criteria.  Added foundation skills. Updated Performance Evidence, Knowledge Evidence and Assessment Conditions | Not equivalent |

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| Links | 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 AHCBAC2XX Assist agricultural crop establishment |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.  There must be evidence that the individual has assisted in the establishment of at least one agricultural crop in a broadacre setting, including:   * communicated with supervisor and team members and followed instructions and crop production plan * performed paddock and ground preparations ready for planting including: * applied pre-planting soil treatments according to instructions * prepared planting equipment * performed planting operations according to instructions and crop production plan including: * treated and planted crop * applied soil amendments if required * applied weed control treatments * operated a range of crop establishment machinery * maintained records of preparation and planting according to workplace procedures * followed enterprise work health and safety, biosecurity and environmental procedures. | |

| Knowledge Evidence |
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| 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:   * basic principles of broad acre cropping and their establishment, including: * importance of correct timing and procedures for crop planting * field hygiene, biosecurity and quality control for crop establishment * a range of pre-planting soil treatments and amendments, their application and importance * basics of managing previous crops including, cutting, slashing, rolling and burning stubble * accumulation of waste and its disposal, including: * impact on the environment * types of waste common to cropping * procedures for the disposal of containers, leftover fluids, organic materials and other debris * workplace health and safety, risks and hazards, including: * responsibilities for following safety instructions/directions * application and handling of agricultural chemicals * materials handling * preparation and operation of common farm machinery used in crop establishment, including: * use of equipment with precision guidance * basics of controlled traffic farming and traffic lanes * machinery operation and safety * manufacturers specifications * enterprise procedures * equipment calibration * communication with team members and supervisor * calculations and measurements required for: * determining quantities of materials for treatments and amendments * spatial awareness * determining crop row spacing and density. |

| Assessment Conditions |
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| Assessment of the skills in this unit of competency must take place under the following conditions:   * physical conditions: * skills must be demonstrated on a broadacre farm or an environment that accurately represents workplace conditions * resources, equipment and materials: * use of seeds or plants for planting * use of broadacre crop planting tools machinery and equipment * use of personal protective equipment * specifications: * use of workplace procedures and processes * use of manufacturer’s operating instructions for tools, equipment and machinery * access to specific safety data sheets for treatments and fertilisers * use of instructions and plans for planting * relationships: * team member and supervisor   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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