



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AHCBAC201A Assist agricultural crop establishment**

**Release: 1**

## AHC BAC201A Assist agricultural crop establishment

### Modification History

Not Applicable

### Unit Descriptor

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit descriptor</b> | This unit covers the process of applying assistance to others in preparing for agricultural crop establishment and defines the standard required to: carry out ground preparation of the area for planting; apply pre-planting soil treatments; calibrate the planting equipment; treat and plant seed; apply fertiliser with seed at sowing or as a separate operation; apply weedicides or herbicides under supervision; record all details of sowing. |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Application of the Unit

|                                |                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Application of the unit</b> | This unit applies to working under close supervision with regular checking. Competency at this level requires the application of limited knowledge and skills to a range of agricultural crop establishment tasks, including assistance with vehicle and machinery preparation. The work undertaken is usually within established routines, methods and procedures. |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Licensing/Regulatory Information

Not Applicable

### Pre-Requisites

|                           |  |  |
|---------------------------|--|--|
| <b>Prerequisite units</b> |  |  |
|                           |  |  |
|                           |  |  |

## Employability Skills Information

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|-----------------------------|------------------------------------------|
| <b>Employability skills</b> | This unit contains employability skills. |
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## Elements and Performance Criteria Pre-Content

Not Applicable

## Elements and Performance Criteria

| <b>ELEMENT</b> | <b>PERFORMANCE CRITERIA</b> |
|----------------|-----------------------------|
|                |                             |

| ELEMENT                                                   | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Prepare for agricultural crop establishment operations | 1.1. Instructions about planting are interpreted and clarified with the supervisor.<br>1.2. Machinery, equipment and tools are selected and prepared for the task being undertaken.<br>1.3. Occupational Health and Safety (OHS) hazards are identified, risks assessed and reported to the supervisor.<br>1.4. The environmental implications of the crop production plan are identified and discussed with the supervisor.<br>1.5. Suitable personal protective equipment is selected, used and maintained.                                               |
| 2. Prepare the site for crop establishment                | 2.1. Old crop and other waste materials are removed and disposed of in full consideration of environmental implications.<br>2.2. Soil treatment/amendments are applied according to soil test results and the supervisor's instructions.<br>2.3. Site is worked according to the crop production plan.<br>2.4. Crop protection is implemented according to enterprise guidelines.<br>2.5. The planting pattern is marked out according to the crop production plan.<br>2.6. Machinery, equipment and tools are operated according to enterprise guidelines. |
| 3. Carry out establishment operations                     | 3.1. Planting material is selected according to the type of crop and enterprise quality standards.<br>3.2. Planting material is treated according to the crop and supervisors instructions.<br>3.3. Planting material is handled and transported to the site with no signs of transport damage.<br>3.4. Planting is carried out according to the planting plan.                                                                                                                                                                                             |
| 4. Complete establishment operation                       | 4.1. Tools and equipment are cleaned and sterilised according to the manufacturer's specifications, enterprise procedures and regulations.<br>4.2. All containers, leftover fluids, waste and debris are disposed of safely and appropriately.<br>4.3. All required workplace records are completed accurately and promptly in accordance with enterprise requirements.                                                                                                                                                                                     |

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

#### Required skills

- identify hazards and follow safety directions
- participate in teams and contribute to team objectives
- communicate with team members and supervisor
- read and interpret a range of workplace information
- calibrate equipment
- measure quantities of treatment
- determine spacings and planting patterns
- operate machinery to manufacturers specifications and enterprise procedures
- safely apply appropriate agricultural chemicals
- use literacy skills to follow sequenced written instructions and record information accurately and legibly
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification and seeking advice from supervisor
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to relate to people from a range of social, cultural and ethnic backgrounds and with a range of physical and mental abilities.

#### Required knowledge

- importance of field hygiene and quality control in regard to crop establishment
- operations of a range of crop establishment machinery
- the importance of correct timing and procedures for crop planting
- range of pre-planting soil treatments and their importance
- methods of waste disposal causing minimal impact on the environment
- OHS and environmental impacts of establishing crops.

## Evidence Guide

### EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

#### Overview of assessment

#### Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:

- carry out ground preparation of the area for planting
- apply pre-planting soil treatments
- calibrate the planting equipment
- treat and plant seed
- apply fertiliser with seed at sowing or as a separate operation
- apply weedicides or herbicides under supervision
- record all details of sowing.

#### Context of and specific resources for assessment

Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole.

Agricultural crops may include:

- canola
- wheat
- hay
- barley
- oats
- rice
- triticale
- maize

**RANGE STATEMENT**

|  |                                                                                                                                                                                                                                                                                                                                                                                  |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>• millet</li> <li>• chickpeas</li> <li>• cotton</li> <li>• faba beans</li> <li>• lucerne lupins</li> <li>• pigeon peas</li> <li>• sorghum</li> <li>• soybean</li> <li>• sugar</li> <li>• sunflower</li> <li>• other crops grown as part of a broadacre mixed farming enterprise not specifically named as horticultural crops.</li> </ul> |
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**Unit Sector(s)**

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|--------------------|--------------------|
| <b>Unit sector</b> | Broadacre cropping |
|--------------------|--------------------|

**Co-requisite units**

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|---------------------------|--|--|
| <b>Co-requisite units</b> |  |  |
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|                           |  |  |

**Competency field**

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| <b>Competency field</b> |  |
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