

Modification history

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.

AHCPHT2XX	Plant horticultural crops
Application	<p>This unit of competency describes the skills and knowledge required to plant horticultural crops in the annual, vegetable and flower growing industries, including: preparing for crop planting, preparing site and plant material for planting, planting and completing planting operations.</p> <p>The unit applies to individuals who plant horticultural crops under general supervision with limited autonomy or accountability.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Production horticulture (PHT)

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 crop planting operations	1.1 Confirm crop planting activities and instructions with supervisor 1.2 Select tools, equipment and machinery appropriate for crop planting 1.3 Identify workplace health and safety hazards and report to supervisor 1.4 Select and maintain personal protective equipment (PPE) according to workplace health and safety requirements 1.5 Fit and use PPE applicable to the task being undertaken
2. Prepare the site and plant material for planting	2.1 Prepare soil or growing media 2.2 Implement crop protection 2.3 Apply pre-planting treatments according to instructions 2.4 Store planting material to required location 2.5 Operate soil preparation tools, equipment and machinery according to instructions and manufacturer instructions
3. Carry out planting operations	3.1 Select planting material 3.2 Store, handle and transport planting materials to the site 3.3 Plant crop according to instructions 3.4 Identify environmental and biosecurity implications associated with planting crops and minimise impact
4. Complete planting operations	4.1 Water plants in and apply post-planting treatments 4.2 Clean and return tools, equipment and machinery to required location 4.3 Identify and report unserviceable tools, equipment and machinery according to workplace procedures 4.4 Record and report planting operations according to workplace procedures

Foundation Skills	
<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"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations and products
Writing	<ul style="list-style-type: none"> Use clear language, accurate industry terminology and logical structure to prepare planting activity records
Oral Communication	<ul style="list-style-type: none"> Use clear language to confirm and report planting operations and report tool, equipment and machinery unserviceability
Numeracy	<ul style="list-style-type: none"> Measured plant materials and treatments

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT2XX Plant horticultural crops Release 1	AHCPHT201 Plant horticultural crops Release 1	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	No equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCPHT2XX Plant horticultural crops
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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 performed horticultural crop planting on at least one occasions and has:

- selected, used and maintained crop planting tools and equipment
- applied agricultural chemicals and treatments under supervision
- estimated crop spacing and planting patterns
- measure quantities of plant materials and treatments
- operated and maintained crop planting machinery according to manufacturer specifications
- select planting material
- minimised environmental impacts associated with crop planting
- followed industry and workplace biosecurity procedures
- applied workplace health and safety requirements
- recorded and reported planting operations and unserviceable tools and equipment.

Knowledge Evidence

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:

- horticultural crop planting tools, equipment and machinery operating instructions and manufacturer specifications
- principles and practices for planting horticultural crops, including:
 - basic plant physiology
 - basic preparation of soil and growing media
 - growing requirements of plants
 - importance of correct timing and procedures for crop planting
 - importance of field hygiene and quality control in regard to crop planting
 - nutritional, water and other requirements of the crop
 - principles of pest, weed and disease control
 - pre-planting soil and plant treatments and their importance
 - soil structure and health
- workplace requirements applicable to health and safety in the workplace for planting horticultural crops
- environmental impacts associated with planting horticultural crops
- industry and workplace biosecurity procedures.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - crop planting tools, equipment and machinery
 - pre-planting soil and plant treatment material
 - personal protective equipment applicable to planting horticultural crops
- specifications:
 - horticultural crop planting tools, equipment and machinery operating instructions and manufacturer specifications
 - workplace requirements applicable to health and safety in the workplace and planting horticultural crops
 - industry and workplace biosecurity procedures applicable to planting horticultural crops
- relationships:
 - supervisor
- timeframes:
 - according to job requirements.

Assessment Conditions	
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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