



Australian Government

Department of Education, Employment and Workplace Relations

AHCPHT201A Plant horticultural crops

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of planting of horticultural crops and defines the standard required to: prepare soil or growing media for planting; apply pre-planting soil and plant treatments; carry out planting and water in plants; apply other treatments to seedlings if required.
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Application of the Unit

Application of the unit	This unit applies to workers in the annual, vegetable and flower growing industries operating within established routines, methods and procedures and is likely to be under supervision and according to directions.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for crop planting operations	1.1. Instructions about planting the crop are applied. 1.2. Machinery, equipment and tools are prepared for crop planting tasks. 1.3. Occupational Health and Safety (OHS) hazards are identified and safety concerns reported to the supervisor. 1.4. Personal Protective Equipment (PPE) is used and maintained according to safety procedures.
2. Prepare the site and plant material for planting	2.1. Soil or growing media is prepared. 2.2. Crop protection is implemented. 2.3. Pre planting treatments are applied. 2.4. Planting material is stored where required. 2.5. Machinery, equipment and tools for soil preparation are operated according to low risk operating procedures.
3. Carry out planting operations	3.1. Planting material is selected according to enterprise quality standard. 3.2. Planting materials are stored, handled and transported to the site. 3.3. Planting is carried out. 3.4. Plants are watered in and any post planting treatments applied.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- use and maintain planting equipment
- select planting material
- apply enterprise quality standards
- measure quantities of plant materials and treatments
- estimate spacing and planting patterns
- operate machinery to manufacturers specifications and low risk operating procedures
- apply agricultural chemicals under supervision

REQUIRED SKILLS AND KNOWLEDGE

- identify hazards
- follow safety procedures
- participate in teams and contribute to team objectives
- communicate with team members and supervisor
- read and interpret a range of workplace information
- 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

- principles of sustainable horticultural practices
- growing requirements of plants
- basic plant physiology
- soil structure and health
- basic preparation of soil and growing media
- importance of field hygiene and quality control in regard to crop planting
- principles of pest, weed and disease control
- nutritional, water and other requirements of the crop
- the importance of correct timing and procedures for crop planting
- range of pre-planting soil and plant treatments and their importance
- environmental impacts and risks of planting horticultural 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: • prepare soil or growing media for planting • apply pre-planting soil and plant treatments • carry out planting • water in plants and apply other treatments to seedlings if required.
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.	
Crops may include:	• the range of annual, vegetable and flower crops.

Unit Sector(s)

Unit Sector	Production horticulture
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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