

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 5.0.
Release 1	Initial release

AHCPHT306	Establish horticultural crops
Application	<p>This unit of competency describes the skills and knowledge required to establish horticultural crops by seed, seedlings or other vegetative means.</p> <p>The unit applies to individuals who establish horticultural crops under broad direction and take responsibility for their own work.</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 machinery and equipment for use	1.1 Determine work requirements from work plan 1.2 Identify potential hazards and risks and implement safe working practices to manage risks 1.3 Select required tools, equipment and machinery and check for safe operation 1.4 Attach and calibrate equipment and check for correct operation
2. Prepare for horticultural crop establishment	2.1 Monitor soil and weather conditions for optimal seeding conditions 2.2 Recognise and confirm soil conservation and sustainable land management practices and procedures 2.3 Confirm and prepare seeding or planting, and fertiliser, and pest and weed control requirements
3. Sow or plant the crop	3.1 Undertake sowing or planting and fertiliser applications according to work plan 3.2 Coordinate pest and weed control treatment with sowing or planting and fertiliser applications 3.3 Identify environmental and biosecurity implications associated with establishing crop and minimise impact
4. Complete sowing or planting operations	4.1 Conduct machinery and equipment shut down according to workplace procedures 4.2 Perform routine machinery and equipment operational servicing and minor maintenance 4.3 Identify and report tool, machinery and equipment malfunctions, faults, irregular performance or damage according to workplace procedures 4.4 Clean, store and secure tools, machinery and equipment 4.5 Record and report crop establishment activities and machinery use records

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
Writing	<ul style="list-style-type: none"> Document machinery use Use clear language, accurate industry terminology and logical structure to prepare crop establishment activity records
Oral communication	<ul style="list-style-type: none"> Use clear language to report malfunctions, faults, irregular performance or damage
Numeracy skills	<ul style="list-style-type: none"> Calculate quantities of machinery fluids Calculate quantities of seeds or seedlings

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT306 Establish horticultural crops Release 2	AHCPHT306 Establish horticultural crops Release 1	Performance criteria clarified Foundation skills added Assessment requirements updated	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 AHCPT306 Establish horticultural crops
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has established horticultural crops on at least two occasions and has:</p> <ul style="list-style-type: none"> • applied workplace health and safety requirements • carried out tool, machinery and equipment pre-operational checks according to operation and maintenance manual • performed minor maintenance • recognised and documented defects in machinery and equipment • attached and calibrated equipment safely • carried out ground preparation and applied pre-planting treatments • operated tools, machinery and equipment according to operation and maintenance manual, manufacturer specifications, task requirements and local conditions • carried out sowing or planting operations, and fertiliser application • minimised the environmental impacts associated with establishing horticultural crops • shut down machinery and equipment and recorded usage • cleaned, stored and secured tools, machinery and equipment • followed industry and workplace environmental and biosecurity procedures • recorded and reported establishment activities and machinery use. 	
Knowledge Evidence	
<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"> • workplace requirements applicable to health and safety in the workplace for establishing horticultural crops • principles and practices for establishing crops, including: <ul style="list-style-type: none"> • crop types, preparation of seeds and plants, seeding and planting methods and application techniques • effects of weather conditions on seeding and planting and fertilising applications • workplace procedures for seeding and planting operations, recording and reporting • fertiliser types, rates of application and crop nutrient requirements • sustainable land management and soil conservation techniques • manufacturer and workplace requirements seeding and planting machinery and equipment, including: <ul style="list-style-type: none"> • pre-operational checks • machinery operation techniques • principles of weight distribution with regard to load shifting and vehicle movement • operator level servicing • planned and emergency shut down procedures • environmental impacts associated with establishing horticultural crops, including: <ul style="list-style-type: none"> • positive environmental practices, negative environmental impacts and minimisation measures associated with seeding operations • chemical handling techniques for fertiliser • fertiliser safety data sheets (SDS) information • environmental impacts of fertiliser • use and control of hazardous substances • industry and workplace environmental and biosecurity procedures. 	
Assessment Conditions	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • a workplace setting or an environment that accurately represents workplace conditions • individual must not be under the influence of alcohol or drugs • individual must not be taking any medication (prescribed or otherwise) that may impair judgement • individual must not be in a fatigued state when operating seeding and planting machinery 	

Assessment Conditions
<ul style="list-style-type: none">• resources, equipment and materials:<ul style="list-style-type: none">• seeding and planting machinery• horticultural seeds and seedlings• personal protective equipment applicable to establishing horticultural crops• specifications:<ul style="list-style-type: none">• horticultural seeding and planting machinery and equipment operation and maintenance manuals• workplace requirements applicable to health and safety in the workplace for establishing horticultural crops• work instructions and workplace procedures applicable to establishing horticultural crops• recording procedures• industry and workplace environmental and biosecurity procedures applicable to establishing horticultural crops• timeframes:<ul style="list-style-type: none">• according to job requirements. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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