

Modification history

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

AHCPHT502	Develop a horticultural production plan
Application	<p>This unit of competency describes the skills and knowledge required to develop a production plan, including; carrying out planning activities, determining horticultural production requirements, scheduling production activities, planning monitoring of production plan and documenting production plan and specifications for a horticultural workplace.</p> <p>The unit applies to individuals who apply specialised skills and knowledge to the development of a horticultural production plan, and take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information and analyse, design and communicate solutions to sometimes complex problems.</p> <p>All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, sustainability and biosecurity practices.</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. Carry out planning activities	1.1 Determine client preferences and requirements for the production plan and confirm according to workplace marketing and business plans 1.2 Assess the production site for growing environment factors, services and site modifications 1.3 Conduct research into the growing requirements of plant species and cultivars and restrictions that may affect the production plan 1.4 Identify sustainable land use issues that may affect planned production 1.5 Set production targets that are consistent with the marketing strategy and business plan 1.6 Determine production requirements in terms of quantity, quality and availability of the product 1.7 Develop a draft plan that reflects client preferences and requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Determine the requirements of horticultural production	2.1 Identify plant species that are appropriate to the site and consistent with the plan 2.2 Calculate, cost and confirm availability and quantity required with the supplier 2.3 Select plant establishment procedures consistent with the agreed preliminary plan 2.4 Ensure design of the site includes irrigation and drainage systems, and takes into account the growing requirements of plants and sustainable land use practices 2.5 Document cultural management practices to achieve optimal growth environment from planting to harvest 2.6 Determine harvesting dates to meet market specifications and deadlines 2.7 Identify and cost resources, tools, equipment and machinery required for production and site establishment
3. Schedule production activities	3.1 Outline staged implementation and development of the crop production activities, including providing for future works access 3.2 Determine and document timelines for crop production activities, taking into account any other planning requirements 3.3 Plan and schedule marketing according to the production schedule and marketing strategy
4. Plan monitoring of the production plan	4.1 Determine production activities to be monitored, the format for recording factors, frequency of monitoring and the thresholds for remedial action 4.2 Document required remedial or contingency plan for implementation by staff 4.3 Review on a regular basis the effectiveness of the monitoring system 4.4 Compare the production program with feedback and projections from clients 4.5 Implement remedial action or contingency plan where crop production falls outside client projections
5. Prepare and document the production plan and specification	5.1 Prepare detailed plans, specifications and quotations based on horticultural conventions and the requirements of production 5.2 Develop and document detailed on-site procedures and schedules required for crop production

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"> Identify and interpret information regarding the growing requirements of plant species and cultivars and restrictions Identify and interpret customer requirements and market specifications and marketing strategy
Writing	<ul style="list-style-type: none"> Develop a horticultural production plan, on-site procedures and production schedules
Oral communication	<ul style="list-style-type: none"> Initiate discussions with clients and work colleagues, using clear language to plan and communicate production plan
Numeracy	<ul style="list-style-type: none"> Access and analyse data for input to production plan and production schedule Document harvesting dates, and resource costs of production plan

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPHT502 Develop a horticultural production plan Release 2	AHCPHT502 Develop a horticultural production plan 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

TITLE	Assessment requirements for AHCPHT502 Develop a horticultural production plan
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 developed a horticultural production plan on at least one occasion and has:</p> <ul style="list-style-type: none"> • researched, evaluated and recorded relevant information, including site factors and land use issues • develop a horticultural production plan that reflects client preferences and requirements • selected and sourced plants or plant material for seeding or propagation • established product specifications • calculated and documented the cost and logistical requirements of the production plan • designed and incorporated infrastructure into planning • planned and scheduled production activities • planned and scheduled marketing • communicated and negotiated with the client, staff, managers, suppliers, contractors and consultants • documented plans, specifications and production work procedures • prepared reports for staff, managers, clients and contractors • developed a monitoring program to cover the horticultural operation from sowing to sale. 	
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"> • principles and practices for developing a horticultural production plan <ul style="list-style-type: none"> • advantages and limitations of sustainable horticulture systems • establishment and maintenance of a range of enterprise horticultural products in relation to client needs and the standards required by the marketplace • establishment procedures, plant selection and cultural practices for a range of enterprise horticultural products • processes and techniques for preparing, costing and documenting plans for and scheduling horticultural production • the role of business and marketing plans and client consultation processes in planning horticultural production. 	
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 represent workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • industry publications and internet sources of information relevant to the development of a horticultural production plan • marketing strategy • specifications: <ul style="list-style-type: none"> • market specifications • relationships: <ul style="list-style-type: none"> • client and work colleagues • timeframes: <ul style="list-style-type: none"> • according to the 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>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</p>