



**Australian Government**

# **AHCPHT508 Develop a grape production plan**

**Release: 1**

# AHC PHT508 Develop a grape production plan

## Modification History

| Release   | Comments                                                                                                                    |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0. |

## Application

This unit of competency describes the skills and knowledge required to carry out preliminary planning activities, determine grape production requirements, schedule production activities, plan monitoring of grape production plan and document grape production plan.

The unit applies to individuals who apply specialised skills and knowledge to the development of a grape 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.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Unit Sector

Production horticulture (PHT)

## Elements and Performance Criteria

| 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 preliminary planning activities     | 1.1 Identify and evaluate trends and issues affecting the Australian viticulture industry for their impact on planning decisions<br>1.2 Determine client specifications for the production of grapes |

| Elements                                            | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>    | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                     | <p>1.3 Assess the vineyard site for growing environment factors, resources, services and site modifications</p> <p>1.4 Conduct research into the characteristics and growing requirements of grape varieties and cultivars, legal attributes of the site, and local by-laws and restrictions that may affect the production plan</p> <p>1.5 Identify sustainable land use issues that may affect planned production</p> <p>1.6 Set production targets that are consistent with the marketing strategy and business plan</p> <p>1.7 Determine production requirements in terms of quantity and quality of grapes</p> <p>1.8 Develop a draft plan that reflects client preferences and requirements, and regulatory requirements and takes into account site factors and any identified sustainable land use requirements</p> |
| 2. Determine the production requirements for grapes | <p>2.1 Identify grape varieties that are appropriate to the site and consistent with the plan</p> <p>2.2 Calculate, cost and confirm the quantity required with the supplier</p> <p>2.3 Select establishment procedures consistent with the agreed preliminary plan</p> <p>2.4 Document cultural management practices to achieve optimal growth</p> <p>2.5 Determine harvesting dates to meet market specifications and deadlines</p> <p>2.6 Determine production costs of growing grapes</p> <p>2.7 Identify hazards associated with production activities, assess risks and identify and document controls in the plan</p> <p>2.8 Identify policy concerning grapes not meeting specifications according to customer requirements, quality assurance policies and marketing strategy</p>                                  |
| 3. Schedule grape production activities             | <p>3.1 Outline staged implementation and development of the grape production activities</p> <p>3.2 Determine and document timelines for grape production activities</p> <p>3.3 Plan and schedule marketing according to the production schedule and marketing strategy</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Elements                                                             | Performance Criteria                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>                     | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                            |
| 4. Plan monitoring of the grape production plan                      | <p>4.1 Determine production activities to be monitored, the format for recording factors, frequency of monitoring and the thresholds for remedial action</p> <p>4.2 Document required remedial action or contingency plan for implementation by staff</p> <p>4.3 Review the effectiveness of the monitoring system on a regular basis</p>         |
| 5. Match grape production to required output                         | <p>5.1 Determine grape yields required to meet client projections</p> <p>5.2 Determine grape variety required to meet output</p> <p>5.3 Compare production program to client projections</p> <p>5.4 Implement remedial action or contingency plan where grape production falls outside client projections</p>                                     |
| 6. Prepare and document the grape production plan and specifications | <p>6.1 Prepare detailed plans and specifications based on industry conventions and the requirements of production</p> <p>6.2 Produce a scaled vineyard site plan which can be readily interpreted and understood by on-site personnel</p> <p>6.3 Develop and document detailed on-site procedures and schedules required for grape production</p> |

## Foundation Skills

*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.*

| Skill              | Description                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading            | <ul style="list-style-type: none"> <li>Interpret information regarding the Australian viticulture industry issues and trends</li> <li>Identify and interpret information regarding grape growing requirements, legal attributes of the site, and by-laws and restrictions</li> <li>Identify and interpret customer requirements and market specifications, quality assurance policies and marketing strategy</li> </ul> |
| Oral communication | <ul style="list-style-type: none"> <li>Initiate discussions with clients, using clear language to plan and</li> </ul>                                                                                                                                                                                                                                                                                                   |

| Skill                      | Description                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | communicate grape production plan                                                                                                                                                                                                                                             |
| Numeracy                   | <ul style="list-style-type: none"><li>• Access and analyse data for input to grape production plan and grape production schedule</li><li>• Document harvesting dates, and resource costs of grape production plan</li><li>• Identify and calculate production costs</li></ul> |
| Navigate the world of work | <ul style="list-style-type: none"><li>• Identify and describe own workplace requirements associated with own role and area of responsibility</li></ul>                                                                                                                        |

## Unit Mapping Information

| Code and title current version               | Code and title previous version              | Comments                                                                                     | Equivalence status |
|----------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|--------------------|
| AHCPHT508<br>Develop a grape production plan | AHCPHT504<br>Develop a grape production plan | Performance criteria clarified<br>Foundation skills added<br>Assessment requirements updated | Equivalent unit    |

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>