



**Australian Government**

# **AHCSOL305 Prepare growing media**

**Release: 1**

## AHCSOL305 Prepare growing media

### 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 prepare growing media for various plants, including preparing for work, confirming specifications for growing media and preparing and storing the media.

The unit applies to individuals who prepare growing media under broad direction and take responsibility for their own work.

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

### Pre-requisite Unit

Nil

### Unit Sector

Soils and media (SOL)

### 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. Prepare to work                               | 1.1 Clarify work instructions with supervisor<br>1.2 Prepare required tools and equipment for the task<br>1.3 Recognise workplace hazards and report safety concerns<br>1.4 Select, fit, use and maintain personal protective equipment according to the task and workplace safety requirements |
| 2. Confirm specifications                        | 2.1 Investigate and select various media components for specific plant                                                                                                                                                                                                                          |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                        |
| of growing media                                 | requirements according to growing media specifications<br>2.2 Determine plant nutrient requirements for growing period<br>2.3 Determine growing media by plant requirements and accepted industry practice<br>2.4 Investigate sources of nutrients and their suitability for plant requirements<br>2.5 Analyse growing media for chemical, physical and biological characteristics to confirm suitability for plants<br>2.6 Determine and applied sterilisation methods for the growing media |
| 3. Prepare and store growing media               | 3.1 Establish growing media composition according to specifications<br>3.2 Maintain mixing equipment in a clean and effective condition<br>3.3 Store components in a safe and hygienic manner<br>3.4 Weigh and mix components into the growing media<br>3.5 Dispose of waste in an environmentally safe manner<br>3.6 Store growing media in a safe and hygienic manner<br>3.7 Record growing media preparation activities according to workplace procedures                                  |

## 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 textual information from a range of sources to identify relevant and key information about workplace operations and products</li> </ul> |
| Writing            | <ul style="list-style-type: none"> <li>Use clear language, accurate industry terminology and logical structure to prepare growing media preparation activity records</li> </ul>          |
| Oral Communication | <ul style="list-style-type: none"> <li>Use clear language to confirm work instructions</li> </ul>                                                                                        |
| Numeracy           | <ul style="list-style-type: none"> <li>Access growing media specification data</li> <li>Calculate and weigh growing media components</li> </ul>                                          |

| Skill                      | Description                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Navigate the world of work | <ul style="list-style-type: none"><li>Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility</li></ul>                                                |
| Get the work done          | <ul style="list-style-type: none"><li>Take responsibility for routine decisions about confirming specifications, preparing and storing growing media, and reflect on outcomes to identify effectiveness of decisions</li></ul> |

## Unit Mapping Information

| Code and title current version     | Code and title previous version    | Comments                                                                                     | Equivalence status |
|------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------|--------------------|
| AHCSOL305<br>Prepare growing media | AHCSOL301<br>Prepare growing media | 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>