

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.
Release 1	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 1.0.

AHCSOL301	Prepare growing media
Application	<p>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.</p> <p>The unit applies to individuals who prepare growing media under broad direction and take responsibility for their own work.</p> <p>No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Soils and media (SOL)

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 1.2 Prepare tools and equipment 1.3 Identify hazards, assess risks and implement control measures 1.4 Select and use personal protective equipment (PPE)
2. Confirm specifications of growing media	2.1 Investigate and select various media components for specific plant requirements according to growing media specifications 2.2 Determine nutrient requirements for growing period 2.3 Determine growing media by plant requirements and accepted industry practice 2.4 Investigate sources of nutrients for their suitability 2.5 Analyse growing media for chemical, physical and biological characteristics to confirm suitability for plants 2.6 Determine sterilisation methods of the growing media
3. Prepare and store growing media	3.1 Establish growing media composition 3.2 Maintain mixing equipment in a clean and effective condition 3.3 Store components in a safe and hygienic manner 3.4 Weigh and mix components into the growing media 3.5 Dispose of waste in an environmentally safe manner 3.6 Store growing media in a safe and hygienic manner 3.7 Record growing media preparation activities according to workplace procedures

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 and products
Writing	<ul style="list-style-type: none"> Use clear language, accurate industry terminology and logical structure to prepare growing media preparation activity records
Oral Communication	<ul style="list-style-type: none"> Use clear language to confirm work instructions
Numeracy	<ul style="list-style-type: none"> Access growing media specification data Calculate and weigh growing media components
Navigate the world of work	<ul style="list-style-type: none"> Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility
Get the work done	<ul style="list-style-type: none"> Take responsibility for routine decisions about confirming specifications, preparing and storing growing media, and reflect on outcomes to identify effectiveness of decisions

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCSOL301 Prepare growing media Release 2	AHCSOL301 Prepare growing media Release 1	Minor changes to performance criteria and foundation skills.	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 AHCSOL301 Prepare growing media
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 prepared growing media on at least two occasions and has:</p> <ul style="list-style-type: none"> • collected and analysed data • confirmed specifications of growing media • interpreted chemical labels • prepared growing media • stored growing media. 	
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 preparing growing media • alternative pre-prepared growing media options, including coconut fibre bags • alternative methods of incorporating ingredients into a growing media • hygiene in the preparation and storage of the media • ingredients used in the preparation of growing media • physical, chemical and biological characteristics required of the media • plant nutrition • properties of the various ingredients used in the preparation of the growing media • requirements of a growing media • volume and weight determination. 	
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 • resources, equipment and materials: <ul style="list-style-type: none"> • work instructions and workplace procedures applicable to growing media preparation • growing media tools and equipment • growing media ingredients • mixing and weighing equipment • personal protective equipment applicable to growing media preparation • specifications: <ul style="list-style-type: none"> • growing media specifications • relationships: <ul style="list-style-type: none"> • supervisor • 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 current standards.</p>	
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