



Australian Government

AHCSOL301 Prepare growing media

Release: 1

AHCSOL301 Prepare growing media

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to determine the requirements of a growing media for various plants and preparing and storing the media in accordance with the production specifications.

This unit applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

No occupational 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

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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 2.2 Determine nutrient requirements for growing period

Element	Performance criteria
	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 soil 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 is stored in safe and hygienic manner 3.7 Keep records

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCSOL301A Prepare growing media.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCSOL301 Prepare growing media

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- collect and analyse data
- confirm specifications of growing media
- interpret chemical labels
- prepare growing media
- store growing media

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for preparing growing media
 - 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

Assessors must satisfy current standards for RTOs.

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