



Australian Government

AHCMDC303 Undertake propagation of medicinal cannabis

Release: 1

AHCMD303 Undertake propagation of medicinal cannabis

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to undertake the propagation of medicinal cannabis according to the propagation plan. It requires the ability to prepare for propagation activities, apply common propagation techniques to establish cannabis plants, monitor and control health and environmental climate conditions of the propagation material, and carry out all recording and reporting requirements throughout the propagation cycle according to regulatory and quality requirements.

The unit applies to individuals who perform skilled propagation work on a licensed medicinal cannabis production site. They may work independently or as part of a team.

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

Pre-requisite Unit

Nil

Unit Sector

Medicinal Cannabis (MDC)

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 for propagation of medicinal cannabis	1.1 Confirm propagation plan, specifications and monitoring schedule with supervisor 1.2 Identify health and safety hazards, assess risks and implement control measures 1.3 Prepare self and required approved tools, equipment and materials,

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	including personal protective equipment, according to hygiene and sanitation and health and safety procedures 1.4 Select media for propagation method being used and required quantity of plants 1.5 Check propagation work area is clean and free of waste on entering secured area
2. Prepare propagation material	2.1 Identify, check and record type, quantity and/or weight of propagation material to be used against specifications 2.2 Prepare propagation material according to propagation plan and method used 2.3 Handle propagation material in a way that minimises damage 2.4 Label propagation material according to identification requirements 2.5 Check water and nutrient requirements according to specifications, and adjust manually or use control system to maintain to required levels 2.6 Check temperature, lighting, carbon dioxide and humidity according to specifications, and use control system to adjust and maintain to required levels 2.7 Record required data and observations according to workplace quality procedures, including any deviations in recorded quantities and weights
3. Monitor health of propagation material	3.1 Calculate and record quantity and/or weight of propagation material to be monitored 3.2 Check propagation material health according to monitoring schedule, and adjust water and nutrients levels as required 3.3 Check for signs of disease or pests, and if required, apply treatment according to workplace procedures 3.4 Check climate control, including temperature, lighting, carbon dioxide and humidity levels, according to specification and adjust as required 3.5 Monitor propagation growing system for safety, hygiene and waste to be removed 3.6 Record required data and observations according to workplace quality procedures, including any deviations in recorded quantities and

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	weights
4. Complete post-propagation activities	4.1 Check propagation system is clean before safely leaving secured area 4.2 Check propagation material waste is weighed, recorded and placed in designated containers, and material waste is safely disposed of according to workplace and regulatory requirements 4.3 Record and report on propagation activities, including any non-compliance or potential problems

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	Interpret textual information from a range of sources to identify relevant information about propagation requirements, monitoring schedule, workplace procedures and regulatory requirements
Writing	Use clear language and industry terminology to complete labels, workplace records and reports
Oral communication	Use clear language and industry terminology to report on propagation activities
Numeracy	Interpret numerical data from sampling and growing system gauges, and make adjustments to fertigation and climate controls

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMD303 Undertake propagation of medicinal cannabis	Not applicable	The unit has been created to address an emerging skill or task required by industry	Newly created

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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

Assessment Requirements for AHCMD303 Undertake propagation of medicinal cannabis

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has undertaken the propagation of medicinal cannabis to produce at least six plants for at least two propagation cycles, including:

- identified risks and applied control measures
- selected and prepared the required tools, equipment and materials for the propagation method and quality of required plants
- maintained safe, clean and sanitised work area
- applied at least two of following propagation methods:
 - plant grown by seed
 - cuttings from mother plant
 - tissue culture
- monitored and recorded counts and/or weight of propagation material, and checked for deviations
- labelled propagation material with the required information and correct terminology
- monitored health of propagation material by visual inspection and sampling
- applied required treatments and/or remedies to maintain health of propagation material and/or treat any identified common health issues, disease or pests
- monitored, controlled and made required adjustments to water and nutrient needs and environmental climate conditions during the propagation cycle based on specifications and propagation material requirements
- complied with security and waste disposal requirements
- maintained accurate records and reports on propagation data and activities, including any non-compliance and deviations.

Knowledge Evidence

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:

- organisational medicinal cannabis propagation plan and monitoring schedule
- process for conducting health and safety risk assessment, and control measures that may be used for propagation production processes
- medicinal cannabis during the propagation cycle, including:
 - plant morphology
 - signs of common health issues, including nutrient deficiencies or excesses, environmental stress such as water, temperature and humidity stress, and mould, and their remedies
 - signs of common diseases and pests and their control
- regulatory and workplace requirements related to the propagation of medicinal cannabis, including:
 - hygiene and sanitation
 - health and safety, including manual handling
 - physical security of cannabis
 - disposal and destruction of plant waste
 - recording and reporting requirements
 - identification and traceability
 - biosecurity
- principles of Good Agricultural and Collection Practices (GACP) in relation to the propagation of medicinal cannabis, including:
 - propagation techniques, including cuttings from mother plants, grafting, seed sowing and tissue culture
 - preparation of propagation media for method used
 - use of pre-treatments
 - water and nutrient and carbon dioxide requirements
 - climate requirements in controlled growing systems, including lighting, temperature and humidity
 - monitoring plant health and climate conditions
 - disease and pest control
 - quality controls
- function, operation and maintenance of tools and equipment used during the propagation of medicinal cannabis, including operational checks
- function and operation of propagation growing systems, including their control systems.
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Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a medicinal cannabis production site or an environment that accurately represents workplace conditions

- resources, equipment and materials:
 - personal protective equipment
 - cuttings, seeds or tissue culture for propagation
 - tools, equipment and materials required for propagation method
 - tools, equipment and materials for cleaning and sanitation
 - sampling equipment
 - propagation system, including environmental growing climate controls
 - workplace recording and reporting system
- specifications:
 - propagation plan and specifications
 - monitoring schedule
 - workplace procedures relating to the propagation of medicinal cannabis, including security, health and safety, hygiene and sanitation, quality, recording and reporting requirements
- relationships:
 - supervisor.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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