



**Australian Government**

# **AHCBEK403 Produce and harvest royal jelly**

**Release: 1**

# AHCBEK403 Produce and harvest royal jelly

## Modification History

| Release | TP Version | Comment         |
|---------|------------|-----------------|
| 1       | AHCv1.0    | Initial release |

## Application

This unit of competency describes the skills and knowledge required to produce and harvest royal jelly.

This unit applies to beekeepers who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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

Beekeeping (BEK)

## 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 produce and harvest royal jelly | 1.1 Select and use personal protective equipment (PPE)<br>1.2 Identify work health and safety hazards associated with working with bees and take appropriate action to minimise risks to self and others<br>1.3 Assess hive for suitability for production of royal jelly<br>1.4 Prepare hive and put in artificial queen bee cells<br>1.5 Graft bee larvae<br>1.6 Stimulate production of royal jelly |

| Element                          | Performance criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | 1.7 Ensure production equipment is clean and sanitised                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2. Collect and store royal jelly | 2.1 Adhere to personal hygiene requirements, including washed hands and wearing clean clothing<br>2.2 Ensure collection and storage equipment is clean and sanitised<br>2.3 Remove larvae carefully from cell with a grafting tool so as not to contaminate jelly, and discard larvae<br>2.4 Remove royal jelly from each cell<br>2.5 Filter royal jelly through fine nylon net to remove traces of wax or larvae<br>2.6 Place harvested royal jelly into appropriate hygienic containers, avoiding excessive exposure to air, and refrigerate immediately |
| 3. Finalise tasks                | 3.1 Check and clean equipment and return to store area<br>3.2 Keep and maintain 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 AHCBEK403A Produce and harvest royal jelly.

## 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 AHCBEK403 Produce and harvest royal jelly

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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:

- prepare hives for royal jelly collection
- handle bees
- graft larvae and stimulating royal jelly production
- remove larvae
- collect and store royal jelly
- keep records of royal jelly production for food safety and quality assurance requirements.

## Knowledge Evidence

The candidate must demonstrate knowledge of:

- correct cleaning and sanitation methods
- food safety requirements
- quality assurance requirements designed for the honey industry
- the role of nurse bees in royal jelly production
- bee biology.

## Assessment Conditions

Assessors must satisfy current standards for RTOs.

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