



Australian Government

AHCBEK310 Process raw wax into moulds

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.

Application

This unit of competency describes the skills and knowledge required to process raw wax using wax processing equipment into wax moulds.

The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and to solve problems.

State and territory legislation, regulations and local government by-laws apply in some jurisdictions to beehive ownership and compliance with biosecurity codes of practice.

Pre-requisite Unit

Nil

Unit Sector

Beekeeping (BEK)

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. Receive and prepare raw wax	1.1 Receive and store raw wax from beekeeping operations 1.2 Ensure wax is quarantined to prevent possible cross contamination with operational hives and hive components according to biosecurity procedures 1.3 Prepare the raw wax for processing according to workplace procedures and processing equipment requirements
2. Prepare wax	2.1 Identify health and safety hazards and risks and take action

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
processing equipment	according to workplace procedures 2.2 Select, ensure serviceability, fit and use personal protective equipment 2.3 Select tools and equipment for processing wax according to work requirements 2.4 Obtain and prepare moulds for processed wax according to workplace procedures 2.5 Clean wax processing equipment according to workplace requirements 2.6 Conduct pre start checks of processing equipment according to operating instructions 2.7 Rectify or report equipment faults according to workplace procedures
3. Process raw wax ready for separation	3.1 Safely load raw wax in to processing equipment according to workplace procedures 3.2 Start-up wax processing equipment and raise the wax temperature to predetermined specification according to workplace operating and safety procedures 3.3 Maintain processing temperature for desired period of time according to workplace procedures 3.4 Monitor equipment operation and rectify or report equipment faults according to workplace procedures
4. Separate residues from wax and produce moulds	4.1 Separate residual honey from wax and store or dispose of according to required purpose, workplace procedures and food safety and handling procedures 4.2 Separate slum gum from wax and process according to workplace and biosecurity procedures 4.3 Transfer processed wax into moulds according to workplace procedures 4.4 Remove wax from moulds after cooling and store according to workplace and safe handling procedures
5. Shut down and clean processing equipment	5.1 Shut down wax processing equipment according to operating instructions 5.2 Reserve slum gum according to reprocessing procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.3 Clean wax processing equipment according to operating instructions 5.4 Clean wax processing work area according to workplace procedures 5.5 Dispose of waste according to workplace, environmental and biosecurity procedures
6. Update and maintain records	6.1 Label wax moulds with batch information according to workplace procedures 6.2 Update records for wax production according to workplace procedures 6.3 Maintain mandatory records for wax production according to legislative and biosecurity reporting requirements

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 equipment operator instructions
Writing	Complete workplace documentation using appropriate language and in required format
Numeracy	- Interprets numerical information to monitor and adjust controls for temperature and timing of wax processing - Perform basic calculation to determine weights and volumes of wax used in processing equipment
Navigate the world of work	Take responsibility for following explicit and implicit workplace procedures, biosecurity code of practice and legislative requirements
Get the work done	- Make routine decisions and implements standard procedures for routine tasks, using formal decision making processes for more complex situations - Address problems and initiates standard procedures in response to equipment operation and faults, and applies problem solving techniques to determine a solutions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBEK310 Process raw wax into moulds	Not Applicable	New Unit	No 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>