



Australian Government

Assessment Requirements for 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.

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 processed raw wax into moulds, on at least one occasion including:

- received and stored wax, ensuring no cross contamination with operational hive components
- prepared the raw wax for loading into processing equipment
- identified hazards and risks and implemented controls, including fitting and use of personal protective equipment (PPE) and safe work practices
- selected tools, equipment and moulds required for the wax processing
- ensured wax processing equipment is clean and ready for service, conducted pre start checks and identified, rectified or reported faults
- loaded raw wax into processing equipment, started equipment and monitored temperature, time and equipment operation during processing
- separated residual honey and slum gum from wax and transferred molten wax to moulds
- stored or disposed of residual honey and slum gum according to workplace, biosecurity and food safety and handling procedures
- removed wax from moulds, labelled and placed into storage according to workplace procedures
- shut down and cleaned processing equipment according to operating instructions
- cleaned work area and disposed of all waste material according to workplace waste management procedures and environmental procedures
- updated records and reports according to workplace, biosecurity and legislative requirements.

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:

- principles and practices of processing honey bee wax
- sources of raw wax used for processing and its preparation, including:
 - cappings from honey extraction
 - bur comb
 - damaged or rotated brood and honey comb
 - slum gum
- bees wax properties and impact on processing
- types and uses of residual materials in unprocessed and processed bees wax, including:
 - burned or cooked honey
 - slum gum
- wax processing equipment, their maintenance and operation, including:
 - types of wax processing equipment and their operation, solar, hot water, steam, direct heat
 - signs of faults in equipment operation and reporting procedures
 - repairs and maintenance requirements
 - cleaning procedures
- wax processing temperatures and timing
- types of moulds
- hygiene and biosecurity requirements and procedures for processing wax
- cleaning procedures and disposal of waste
- storage requirements for unprocessed and processed bees wax
- health and safety, hazards and risks and their controls when using wax processing equipment, including:
 - working with hot materials and equipment
 - PPE
 - manual handling
 - processing equipment safety
 - safe use of tools and equipment
- stock control records, labelling and mandatory records and reporting requirements for processing wax.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a wax processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - raw bees wax
 - tools for processing wax
 - PPE

- specifications:
 - workplace procedures and specifications for processing raw wax
 - manufacturer's operating instructions for wax processing equipment
 - access to specific biosecurity codes of practice.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>