



Australian Government

Assessment Requirements for AHCNRM301 Establish an Australian native stingless bee colony

Release: 2

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Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.
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, on at least one occasion, established an Australian native bee colony, including:

- recognised and selected appropriate Australian native stingless bees (ANSBs) for domestication, and prepared a strategy for managing the colony for a defined purpose
- identified a suitable structure to house an ANSB colony, and acquired components
- used tools and equipment, including personal protective equipment (PPE), to safely prepare a structure to house an ANSB colony
- procured a population of ANSBs and established and located the colony in a suitable environment
- monitored the colony conditions, pests, diseases and disorders during establishment according to colony workplace and biosecurity procedures
- monitored, manipulated and assessed the colony to achieve strategic outcomes.

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:

- types of Australian native bees and their basic biology and nesting habits for a given locality, including:
 - stinging
 - stingless
 - social
 - solitary
- ANSBs and their attributes suitable for 'domestication', including:

- colony forming
- health and safety risks
- suitable environmental conditions
- role in pollination
- commercial and non-commercial outcomes for keeping ANSBs, including:
 - pollination and pollination services
 - honey production
 - education
 - conservation
 - pets
- developing, monitoring and assessing basic strategies for keeping ANSBs
- equipment and resources required for keeping ANSBs, including beekeeping tools, use and maintenance
- structures to house Australian native stingless bees, including:
 - natural habitats
 - hives and hive designs
- health, hygiene and biosecurity considerations
- health and safety hazards and risks associated with handling and working with ANSBs, including:
 - PPE
 - public safety
 - lifting and handling
 - safe use of tools
- methods used for procuring and establishing ANSBs, including:
 - legislative requirements when collecting wild populations
 - transfer techniques for wild colony
 - budding
 - splitting
 - trapping
 - purchasing established colony
- locating colonies and establishing native bee meliponary, including:
 - locality/location/region
 - weather and temperature
 - orientation
 - access to food and water
 - proximity of colonies to each other and competition
- pests, diseases and disorders of Australian native stingless bees, and their control, including biosecurity
- monitoring procedures and signs of health or declining population
- ANSB manipulation techniques, including:

- inspections
- accessing honey
- splitting.

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 workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - Australian native stingless bee colony
 - tools and equipment for assembling and working with Australian native stingless bee colonies
 - PPE
- specifications:
 - workplace procedures and specifications related to establishing Australian native stingless bee colonies
 - manufacturer instructions for equipment and machinery to maintain structures to house bee colonies
 - access to legislation and codes of practice related to Australian native stingless bee colonies.

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>