



Australian Government

AHCBЕК405 Select and establish an apiary site

Release: 2

AHCBEK405 Select and establish an apiary site

Modification History

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to evaluate and analyse potential honey production sites and select, establish and evaluate an apiary site.

The unit applies to experienced beekeepers with thorough understanding in honey production who analyse nectar flow and likely honey production to complete a range of specialist apiary site selection and establishment activities. They work autonomously and have accountability for the work of others. They research, analyse, design and communicate solutions to a range of complex problems.

All work must be carried out to comply with workplace procedures, state/territory legislation, regulations and local government by-laws which may apply in some jurisdictions to beehive ownership and compliance with biosecurity codes of practice. The transport, siting and cross border movement of livestock including bee hives must comply with state/territory transport, quarantine and biosecurity legislation, regulations and 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. Plan to select and	1.1 Establish and prioritise criteria for selecting a site

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
establish an apiary site	1.2 Identify suitable locality in which to search for site 1.3 Identify appropriate certificates and permits required for moving and establishing an apiary site 1.4 Gather and analyse information for potential sites in selected locality
2. Select the apiary site	2.1 Analyse data collected and select suitable site according to criteria 2.2 Determine capacity of available flora to support desired number of hives 2.3 Prepare a plan to establish an apiary at the selected site 2.4 Select precise areas to establish an apiary within the site 2.5 Ensure appropriate permissions and certificates are obtained prior to locating apiary
3. Establish the apiary at the selected site	3.1 Identify health and safety, biosecurity and food safety hazards and risks and implement controls for establishing suitable apiary sites 3.2 Select, fit and use personal protective equipment 3.3 Select tools and equipment required and ensure serviceability 3.4 Transport hives to apiary site according to workplace procedures, legislative requirements and biosecurity procedures 3.5 Locate hives on site according to site establishment plan and safe handling procedures 3.6 Observe and record access of bees to floral sources and water and effect on colony strength and production 3.7 Monitor the suitability of the site and reposition hives according to honey production and bee activity 3.8 Record results of inspections and any remedial action according to biosecurity and production procedures

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 symbols and other technical information on maps and other documentation that impact on apiary site selection
Writing	Document outcomes of site performance and activities using industry terminology
Numeracy	Perform mathematical calculations to analyse potential honey production and costs for selected site
Navigate the world of work	- Accept responsibility and ownership for selecting a site and make decisions on suitability and coordination of resources - Follow explicit and implicit policies, procedures and legislative requirements
Interact with others	Select and use appropriate conventions and protocols when communicating with persons when seeking permission for site
Get the work done	Make routine decisions and implement standard procedures for site selection tasks and resources

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBEK405 Select and establish an apiary site Release 2	AHCBEK405 Select and establish an apiary site Release 1	Minor changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	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>

Assessment Requirements for AHCBEK405 Select and establish an apiary site

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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 demonstrated site selection and establishment of an apiary site including:

- established and prioritised selection criteria for apiary site
- identified suitable localities and appropriate permits and certificates required
- analysed site options and selected site according to selection criteria
- determined apiary capacity, orientation and layout, and prepared an establishment plan
- selected actual site and ensured appropriate permissions and certificates were obtained
- identified health and safety, food safety and biosecurity hazards and risks and implemented control measures
- selected serviceable tools and equipment required for site establishment
- transported hives to site safely, and located hives according to establishment plan and legislative and biosecurity requirements
- observed, monitored and recorded apiary performance and implemented corrective action according to apiary plan
- maintained apiary records according to workplace procedures.

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 apiary site selection
- sources of information for selecting potential sites
- site selection criteria for strategic and regulatory purposes, including:
 - legislation, regulations and biosecurity codes of practice relevant to the establishment of apiary sites

- relevant planning and land use regulations and permissions
- proximity to flora, water, general public, animals, gates, stockyards and movement of the sun
- accessibility of the site for beekeeper and security
- nearby land use
- protection from extreme environmental conditions
- fire risk
- site selection criteria for different bee management purposes, including:
 - honey
 - pollen
 - propolis
 - royal jelly
 - queen rearing
 - pollination services
 - over wintering
- nutritional and other requirements of a bee colony
- hazards, risks and controls associated with establishing apiaries, including:
 - personal protective equipment
 - safe handling procedures
 - barriers and distances from sensitive areas and public space
 - hive densities
 - elevated hives
- tools and equipment and their safe use for handling bees and hives when establishing an apiary site
- types of flora for the production of pollen and nectar flow
- apiary records and recording systems
- bee keeping legislation and biosecurity codes of practice for apiary sites, including:
 - weeds
 - diseases
 - pests
 - genetically modified organisms
 - certified organic produce.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - an active apiary or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - live bees in hives

- tools and equipment for working with and re-locating hives
- personal protective equipment
- maps showing site access and available resources
- specifications:
 - workplace procedures related to selecting and establishing an apiary site
 - workplace specifications for apiary site layout and orientation
 - access to legislation, permit requirements and biosecurity codes of practice related to establishing an apiary site.

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

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