Modification history

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| 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. |

| AHCBEK405 | Select and establish an apiary site |
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| 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.  State and Territory legislation, regulations and Local Government by-laws 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 and must comply with State and Territory transport, quarantine and biosecurity legislation, regulations and codes of practice.  No other occupational licensing, legislative, or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Beekeeping (BEK) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1.Plan to select and establish an apiary site | 1.1 Establish and prioritise criteria for selecting a 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 and use personal protective equipment and ensure its serviceability  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  3.6 Monitor the suitability of the site and reposition hives according to honey production and bee activity  3.7 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. | |
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| 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 | * Accepts responsibility and ownership for selecting a site and makes decisions on suitability and coordination of resources * Following explicit and implicit policies, procedures and legislative requirements |
| Interact with others | * Selects and uses appropriate conventions and protocols when communicating with persons when seeking permission for site |
| Get the work done | * Makes routine decisions and implements standard procedures for site selection tasks and resources |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBEK405 Select and establish an apiary site | AHCBEK405 Select and establish an apiary site | Updated to meet Standards for Training Packages  Minor changes to Performance Criteria for clarity | Equivalent unit |

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

| TITLE | 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 |
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| 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 safety and 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 |
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| 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 * use of workplace specifications for apiary site layout and orientation * access to specific legislation and biosecurity codes of practice * access to applications and procedures for permits and certificates * relationships: * landowner * timeframes: * according to seasonal variations.   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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